



Cuccolini®

GENERAL PRODUCTION

virto



CUCCOLINI Srl, founded in 1946, was the first Italian company to produce vibrating sieves. Market leader with over 3500 machines produced each year, the company presents a wide range of products designed especially for screening, refining and removing iron from glazes, fluids and powders. The company's machines, vibrating sieves, mills, iron removers and pumps are commercialised worldwide, offering customers high quality standards, total reliability, versatility and technological innovation.

**Our mission**

We strive at being the original reference of our sector: this is our target, which we constantly pursue while designing, producing and commercialising our products. CUCCOLINI machines are the outcome of ongoing technological research to obtain ever-satisfactory performance and results. It is with this viewpoint that we relate with our suppliers and our customers, aiming our collaboration at quality and mutual improvement. We put ourselves at the complete disposal of our customers, providing technical assistance, project development, testing of the machine with the material to be refined and after-sales service. All this is performed in total observance of Health & Safety and Environmental Safeguard standards. In this same way, we want our own employees to work in a challenging and safe environment, enabling them to grow with the company and to valorise their personal skills.



GENERAL PRODUCTION

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VAP 600 - 800



Atomised powder sieving unit behind the press. It is installed to feed the press car, consequently completely eliminating the risk of the formation of atomised lumps.

Construction features

- Motovibrator IP 65 insulation.
- Fully automatic and independent operations.
- Flat slanting bottom.

Technical features	VAP 600	VAP 800
Electrical power (Kw)	0,48	0,48
Centrifugal force (Kg)	420	600
Sieving decks	1	1
Mesh surface (m²)	0,264	0,36
Weight (Kg)	125	145

Applications

- Spray-dried powder screening at presssupply stages.

Advantages

- Easy to clean.
- Fast to install.
- Easy maintenance.

VAP2 800 - 900 - 1200



Atomised powder sieving unit behind the press. It is installed to feed the press car, consequently completely eliminating the risk of the formation of atomised lumps.

Construction features

- Open bottom with outlet.
- Side motovibrators, IP 65 insulation.
- Fully automatic and independent operations.

Technical features	800	900	1200
Electrical power (Kw)	0,3 + 0,3	0,62+0,62	0,62+0,62
Centrifugal force (Kg)	854	1342	1342
Sieving decks	1	1	1
Mesh surface (m²)	0,36	0,587	0,932
Weight (Kg)	150	330	380

Applications

- Spray-dried powder screening at presssupply stages.

Advantages

- No scales left thanks to the big outlet.
- Immediate discharge of the sieved product.
- Easy to clean.
- Fast to install.



VP2 450



PATENTED

Circular sieve with open bottom for sorting powders and fluids. Its special constructional shape guarantees vertical compactness. It is particularly suitable for sorting micronized products or colorants so that they do not form screening “tails” or lumps.

Construction features

- Open bottom with outlet.
- Parts in contact with the product made of AISI 304 stainless steel.
- Two side motovibrators, IP 65 insulation, ATEX zone 22 certified.

Technical features	VP2 450
Electrical power (Kw)	0,18 + 0,18
Centrifugal force (Kg)	394
Sieving decks	1 - 2
Mesh surface (m²)	0,104
Weight (Kg)	35

Applications

- At press supply stages.
- At hopper discharge.
- On powder transport lines.

Advantages

- High capacity thanks to the big central outlet.
- No scales left.
- Easy to install thanks to its low profile.

VP2 500 - 800



PATENTED

Atomised powder sieving unit behind the press. It is installed to feed the press car, consequently completely eliminating the risk of the formation of atomised lumps.

Construction features

- Open bottom with outlet.
- Two side motovibrators, IP 65 insulation, ATEX zone 22 certified.
- Parts in contact with the product made of AISI 304 stainless steel.

Technical features	VP2 500	VP2 800
Electrical power (Kw)	0,17 + 0,17	0,3 + 0,3
Centrifugal force (Kg)	426	854
Sieving decks	1 -3	1-3
Mesh surface (m²)	0,196	0,36
Weight (Kg)	60	95

Applications

- On powder transport lines.
- At storage bin discharge.
- At spray-drier discharge.
- At press supply stages.
- At mill discharge.

Advantages

- High capacity thanks to the big central outlet.
- No scales left.
- Easy to install thanks to its low profile.

Cuccolini®  
POWDER SCREENING

VP2 900 - 1200 - 1500



PATENTED

Atomised powder sieving unit behind the press.  
It is installed to feed the press car, consequently completely eliminating the risk of the formation of atomised lumps.

Construction features

- Open bottom with outlet.
- Two side motovibrators, IP 65 insulation, ATEX zone 22 Certified.
- Parts in contact with the product made of AISI 304 stainless steel.

Technical features	900	1200	1500
Electrical power (Kw)	0,62 + 0,62	0,62 + 0,62	0,9 + 0,9
Centrifugal force (Kg)	1342	1342	2810
Sieving decks	1 - 3	1 - 3	1 - 3
Mesh surface (m²)	0,587	0,932	1,575
Weight (Kg)	200	250	320

Applications

- On powder transport lines.
- At storage bin discharge.
- At spray-drier discharge.
- At press supply stages.
- At mill discharge.

Advantages

- High capacity thanks to the big central outlet.
- No scales left.
- Easy to install thanks to its low profile.
- Self-tensioning pneumatic system.

Cuccolini®  
POWDER SCREENING

VPB 450

Circular sieve for sorting powders in general.  
The compact size and the car, which is adjustable in height, make the machine particularly practical and suitable for lab use.

Construction features

- Structure and trolley made of AISI 304 stainless steel.
- Conical cover with ring plate fastening system by knobs.
- Electrical motovibrator, IP 65 insulation.

Technical features	VPB 450
Electrical power (Kw)	0,18
Centrifugal force (Kg)	170
Sieving decks	1
Mesh surface (m²)	0,104
Weight (Kg)	46

Applications

- Powder screening.

Advantages

- Easy to clean.
- Compact dimensions.
- Easy to install.



Cuccolini®  
POWDER SCREENING

VPB 500 - 800



Circular sieve for sorting atomised powders and solid material in general. Very versatile, easy to use and handle, can be quickly disassembled.

Construction features

- Trolley made of stainless steel
- Cylindrical upper ring plate
- Quick clamping ring

Technical features	VPB 500	VPB 800
Electrical power (Kw)	0,3	0,73
Centrifugal force (Kg)	400	680
Sieving decks	1 - 4	1 - 4
Mesh surface (m²)	0,22	0,36
Weight (Kg)	60	70

Applications

- Powder screening.

Advantages

- Easy to clean.
- Compact dimensions.
- Easy to install.
- New motovibrator with 2-year warranty.

Cuccolini®  
POWDER SCREENING

VPM 900-1200-1500



Circular sieve for sorting atomised powders and solid material in general. Twenty years of modifications and technical up-dates, the wide range available, the accessories and the tested effectiveness and reliability make the VPM machine the best possible solution for eliminating lumps of atomized product, which are always encountered in the ceramics manufacturing process.

Construction features

- Clamping system by rings.
- All parts in contact with the product are made of AISI 304 stainless steel.
- Base made of ABS.
- Discharge outlet with sloped bottom.
- Electrical motovibrator, IP 65 insulation.

Technical features	VPM 900	VPM 1200	VPM 1500
Electrical power (Kw)	0,73	1,25	1,5
Centrifugal force (Kg)	850	1300	2150
Sieving decks	1 - 4	1 - 4	1 - 4
Mesh surface (m²)	0,587	0,932	1,575
Weight (Kg)	200	240	400

Main accessories

- Cover with suction and inspection holes.
- Automatic mesh cleaning system.

Applications

- Powder screening.

Advantages

- High efficiency due to high centrifugal force applied.
- Precise screening thanks to square-mesh nets.
- Fast waste discharge.
- High reliability thanks to its resistant structure.
- Low noise.
- New motovibrator with 2-year warranty.

POWDER SCREENING

POWDER SCREENING



VLB 900-1200



Circular sieve for slurry and dirty water in general. Part of the production range for over 25 years, it has been constantly up-dated through to reaching its present high level of reliability and performance. Vibrations keep the mesh constantly free from residues and enable the machine to work 24/7, with brief operator interventions to clean the meshes on a periodic basis.

Construction features

- High splash-guard ring plate.
- Structure made of AISI 304 stainless steel.
- Base made of ABS.
- Electrical motovibrator, IP 65 insulation.

Technical features	VLB 900	VLB 1200
Electrical power (Kw)	0,73	1,25
Centrifugal force (Kg)	700	1300
Sieving decks	1 - 3	1 - 3
Mesh surface (m²)	0,587	0,932
Weight (Kg)	140	165

Applications

- Slip screening after grinding.

Advantages

- High efficiency due to high centrifugal force applied.
- Fast waste discharge.
- High reliability thanks to its resistant structure.
- New motovibrator with 2-year warranty.

VLM 900-1200-1500



Circular sieve for slurry and dirty water in general. Part of the production range for over 25 years, it has been constantly up-dated through to reaching its present high level of reliability and performance. Vibrations keep the mesh constantly free from residues and enable the machine to work 24/7, with brief operator interventions to clean the meshes on a periodic basis.

Construction features

- High splash-guard ring plate.
- Parts in contact with the product made of AISI 304 stainless steel.
- Electrical motovibrator, IP 65 insulation.

Technical features	VLM 900	VLM 1200	VLM 1500
Electrical power (Kw)	0,73	1,25	1,5
Centrifugal force (Kg)	850	1750	2150
Sieving decks	1 - 4	1 - 4	1 - 4
Mesh surface (m²)	0,587	0,932	1,575
Weight (Kg)	175	210	450

Applications

- Slip screening after grinding.

Advantages

- High efficiency due to high centrifugal force applied.
- Fast waste discharge.
- High reliability thanks to its resistant structure.
- New motovibrator with 2-year warranty.

VSB 250



Small circular sieve for glaze, engobe products and flash products to be installed on a tank. Particularly useful along glazing lines to eliminate scale and impurities from the glaze returned from the “belt scrapers”.

Construction features

- Fascia superiore completamente aperta.
- Sistema di serraggio fascia con chiusura a ganci rapidi.
- Motovibratore elettrico, esecuzione IP 65.
- Tutte le parti in AISI 304.

Technical features	VSB 250
Electrical power (Kw)	0,100
Centrifugal force (Kg)	97
Sieving decks	1
Mesh surface (m²)	0,04
Weight (Kg)	16

Applications

- In linea di smalteria.

Advantages

- Alto rendimento dovuto al sistema di vibrazione ad alta frequenza.
- L'ottimo rapporto superficie vagliante / prestazioni, rende la macchina molto versatile.
- Facilità di sostituzione rete con l'esclusivo sistema di tensionatura.

VSM 450



Construction features

- Quick clamping on glazing tanks.
- Structure made of AISI 304 stainless steel.
- Conical cover made in ABS.
- Electric motor vibrator, IP 65 insulation.

Technical features	VSM 450
Electrical power (Kw)	0,18
Centrifugal force (Kg)	170
Sieving decks	1
Mesh surface (m²)	0,104
Weight (Kg)	27

Applications

- On tanks on glazing lines.
- Screening of recycled materials from pipes.

Advantages

- Compact dimensions.
- Quick clamping on tanks.
- Mesh supporting easy to disassemble.
- Excellent ratio between screening surface and performance.



VSB 450



Trolley-mounted circular sieve for glaze, engobe products and flash products to be used mainly on glazing lines. Useful also for sorting on the discharge line of small glaze mills and mills with micro balls for PS.

Construction features

- Trolley made of AISI 304 stainless steel
- Structure made of AISI 304 stainless steel
- Rubber plug on the waste outlet
- Conical cover with ring plate fastening system by knobs
- Electrical motovibrator, IP 65 insulation

Technical features	VSB 450
Electrical power (Kw)	0,18
Centrifugal force (Kg)	170
Sieving decks	1
Mesh surface (m²)	0,104
Weight (Kg)	41

Applications

- On the glazing lines
- At tank supply stages
- At storage tank discharge stages

Advantages

- Versatile and easy to move thanks to its trolley structure
- Excellent ratio between screening surface and performances

VSB 600



Circular sieve for sorting glaze, engobe products and highly viscous fluids. The very high frequency vibration movement enables the use of meshes with very fine mesh size (up to 60µ). The trolley, which is adjustable in height, makes the machine easy to move around the glazing lines and in preparation and storage departments of glaze and PS.

Construction features

- Trolley made of AISI 304 stainless steel adjustable in height
- Structure made of AISI 304 stainless steel.
- Rubber plug on the waste outlet
- Conical cover with ring plate fastening system by knobs.
- Electrical motovibrator, IP 65 insulation.

Technical features	VSB 600
Electrical power (Kw)	0,48
Centrifugal force (Kg)	428
Sieving decks	1 - 2
Mesh surface (m²)	0,264
Weight (Kg)	57

Applications

- On the glazing lines
- At mill discharge stages
- At storage tank discharge stages.

Advantages

- Versatile and easy to move thanks to its trolley structure
- Excellent ratio between screening surface and performances

VSB 800



Circular sieve for sorting glaze, engobe products and highly viscous fluids. The very high frequency vibration movement enables the use of meshes with very fine mesh size (up to 60µ). The trolley, which is adjustable in height, makes the machine easy to move around the glazing lines and in preparation and storage departments of glaze and PS.

Construction features

- Trolley made of stainless steel AISI 304.
- Rubber plug on the waste outlet.
- Ring plate fastening system by knobs.
- Electrical motovibrator IP 65 insulation.
- All parts in contact with the product are made of AISI 304 stainless steel.

Technical features	VSB 800
Electrical power (Kw)	0,48
Centrifugal force (Kg)	600
Sieving decks	1 - 2
Mesh surface (m²)	0,36
Weight (Kg)	70

Applications

- On the glazing lines
- At mill discharge stages
- At storage tank discharge stages.

Advantages

- High efficiency due to high frequency vibrations
- Fast and easy moving
- The excellent ratio between screening surface and performances makes the sieve extremely versatile
- Mesh support ring easy to disassemble
- Easy replacement of the mesh, thanks to CUCCOLINI tensioning system

VSB 900 - 1200



Circular sieve for sorting glaze, engobe products and highly viscous fluids. The very high frequency vibration movement enables the use of meshes with very fine mesh size (up to 60µ). The trolley, which is adjustable in height, makes the machine easy to move around the glazing lines and in preparation and storage departments of glaze and PS.

Construction features

- Trolley made of AISI 304 stainless steel
- Structure made of AISI 304 stainless steel
- Rubber plug on the waste outlet
- Cylindrical upper deck with ring clamping
- Electrical motovibrator, IP 65 insulation

Technical features	VSB 900	VSB 1200
Electrical power (Kw)	0,73	1,25
Centrifugal force (Kg)	1050	1300
Sieving decks	1 - 2	1 - 2
Mesh surface (m²)	0,587	0,932
Weight (Kg)	120	165

Applications

- On the glazing lines
- At mill discharge
- At storage tank discharge

Advantages

- High efficiency due to high centrifugal force applied
- The trolley allows fast and easy moving
- New motovibrator with 2-year warranty

HC 1200 - 1500



PATENTED

Latest novelty of Cuccolini.  
This unit makes a remarkable step forward in the sorting of ceramic slurry. The main features that make the iHCi sieve absolutely unique are the following:

- Very high hourly flow rate (from 3 to 6 times that of a normal sieve measuring Ø 1200)
- Mesh breakage automatic control

Construction features

- Completely made in stainless steel AISI 304
- Splash-guard cover
- Feeding inlet, oversize and screened product outlets can be connected with flexible joints.

Technical features	HC 1200	HC 1500
Electrical power KW	1,98	2,58
Centrifugal force Kg/fc	1600	2200
Weight kg	450	570
Mesh surface (m²)	1,8	3,1

Applications

- slip screening after grinding

Advantages

- Completely closed structure and equipped with automatic washer meshes
- Control sieve included
- 70% space reducing compared to a traditional plant

VLH 1200 - 1500

Remarkable step forward in the sorting and separation of liquids. The main features that make the “VLH” sieve absolutely unique are the following:

- Very high hourly flow rate (from 3 to 6 times that of a normal sieve measuring Ø 1200)
- Automatic washing of the meshes
- Completely closed structure.

Construction features

- 01 refining deck + 02 sieving decks in series
- Electrical motovibrators, IP 65 insulation
- parts in contact with the product made of AISI 304 stainless steel

Technical features	VLH 1200	VLH 1500
Electrical power KW	1,5	1,85
Centrifugal force Kg/fc	1600	2200
Weight kg	290	375
Mesh surface (m²)	0,932x3	1,575x3

Applications

- Body slip sieving after grinding

Advantages

- Automatic washing system on the meshes
- It replaces from 3 up to 6 traditional sieves
- Leakproof closing, preventing scales





Cuccolini®

Trolley Unit for Glazing Lines

GRE 600-800-900-1200



Wheel-mounted mobile unit for screening, transferring and removing iron from glaze. Its compact size make the machine perfect for direct use on the discharge lines of mills and glaze storage tanks. The GRE version envisages the use of an electric iron-remover.

Construction features

- Trolley and structure in AISI 304 stainless steel
- Pressure magnetic iron remover
- Pneumatic pump for glaze transfer
- Electrical system IP65.

Technical features	600	800	900	1200
Electrical power (Kw)	0,48+0,3	0,48+0,3	0,73+0,3	1,25+0,3
Centrifugal force (Kg)	428	680	1050	1300
Pneumatic pump	1" 1/4	1" 1/4	1" 1/4 / 2"	2"
Max. operating pressure (bar)	3	3	3	3
Max. operating temperature (°C)	80	80	80	80
Sieving decks	1	1	1	1
Mesh surface (m²)	0,246	0,36	0,587	0,932
Weight (Kg)	350	380	400	420

Applications

- At glazing mill discharge

Advantages

- High efficiency thanks to a remarkable increase of the centrifugal force applied to the screen
- Easy to move
- High versatility by matching three functions in a single trolley unit
- New motovibrators with 2-year warranty

Cuccolini®

Trolley Unit for Glazing Lines

GRM 600-800-900-1200



Wheel-mounted mobile unit for screening, transferring and removing iron from glaze. Its compact size make the machine perfect for direct use on the discharge lines of mills and glaze storage tanks. The GRM version envisages the use of Neodymium magnetic bars, which are very effective, light and easy to clean manually.

Construction features

- Trolley and structure in AISI 304 stainless steel
- Gravity iron remover with permanent magnets
- Pneumatic pump for glaze transfer
- Electrical system IP65.

Technical features	600	800	900	1200
Electrical power (Kw)	0,48	0,48	0,73	1,25
Centrifugal force (Kg)	428	680	1050	1300
Pneumatic pump	1" 1/4	1" 1/4	1" 1/4 / 2"	2"
Max. operating pressure (bar)	0,5	0,5	0,5	0,5
Max. operating temperature (°C)	80	80	80	80
Sieving decks	1	1	1	1
Mesh surface (m²)	0,264	0,36	0,587	0,932
Weight (Kg)	160	170	190/205	250

Applications

- At glazing mill discharge

Advantages

- High efficiency thanks to a remarkable increase of the centrifugal force applied to the screen
- Easy to move
- High versatility by matching three functions in a single trolley unit
- New motovibrators with 2-year warranty



Wheel-mounted mobile unit for screening, transferring and removing iron from glaze.  
Its compact size make the machine perfect for direct use on the discharge lines of mills and glaze storage tanks.  
The GRM version envisages the use of Neodymium magnetic bars, which are very effective, light and easy to clean manually.

Construction features

- Trolley and structure in AISI 304 stainless steel
- Gravity iron remover with permanent magnets
- Pneumatic pump for glaze transfer
- Electrical system IP65.

Technical features	600	800	900	1200
Electrical power (Kw)	0,48	0,48	0,73	1,25
Centrifugal force (Kg)	428	680	1050	1300
Pneumatic pump	1" 1/4	1" 1/4	1" 1/4/ 2"	2"
Max. operating pressure (bar)	1,5	1,5	1,5	1,5
Max. operating temperature (°C)	80	80	80	80
Sieving decks	1	1	1	1
Mesh surface (m²)	0,264	0,36	0,587	0,932
Weight (Kg)	150	160	210	255

Applications

- At glazing mill discharge

Advantages

- High efficiency thanks to a remarkable increase of the centrifugal force applied to the screen
- Easy to move
- High versatility by matching three functions in a single trolley unit
- New motovibrators with 2-year warranty



Wheel-mounted mobile unit for screening, transferring and removing iron from glaze.  
Its compact size make the machine perfect for direct use on the discharge lines of mills and glaze storage tanks.  
The GRC version envisages the use of Neodymium magnetic bars, which are very effective, light and easy to clean manually.  
In the GRC version, the pump is the electrically operated centrifugal type.

Construction features

- Trolley and structure in AISI 304 stainless stell.
- Gravity iron remover with permanent magnets.
- Centrifugal pump for glaze transfer.
- Electrical system: IP65 insulation.

Technical features	600	800	900	1200
Electrical power (Kw)	0,48+2,2	0,48+2,2	0,73+2,2	0,73+2,2
Centrifugal force (Kg)	428	680	1050	1300
Max. pressione di esercizio	0,5	0,5	0,5	0,5
Max. operating temperature (°C)	80	80	80	80
Sieving decks	1	1	1	1
Mesh surface (m²)	0,264	0,36	0,587	0,932
Weight (Kg)	120	140	160	200

Applications

- At glazing mill discharge.

Advantages

- High efficiency thanks to a remarkable increase of the centrifugal force applied to the screen.
- Easy to move.
- High versatility by matching three functions in a single trolley unit.
- New motovibrators with 2-years warrenty.

GRS 600-800-900



Wheel-mounted unit for sorting and screening glaze, engobe products and printing pastes on glazing lines. The tank with re-launch pump is used to screen the product returned from the belt scraper and from the “overflow” before putting it back in the service tank of the application unit.

Construction features

- Trolley and structure made of AISI 304 stainless steel
- Centrifugal pump for sieve supply
- Iron remover with neodymium bars
- Electrical motovibrator, IP 65 insulation

Technical features	600	800	900
Electrical power (Kw)	0,48+1,1	0,48+1,1	0,73+1,1
Centrifugal force (Kg)	428	680	1050
Sieving decks	1	1	1
Mesh surface (m²)	0,264	0,36	0,587
Weight (Kg)	180	190	240

Applications

- On glazing lines 4 functions are carried out:
  - screening at tank supply;
  - glaze recovery and screening;
  - belt scraping recovery;
  - iron removing.

Advantages

- Highly versatile thanks to the combination of four functions on one single trolley unit.
- Compact dimensions - the pump unit can be installed under the glazing line.
- Easy to clean
- New motovibrator with 2-year warranty

CS 065.1 - 095.1 - 120.1

The ScreenX CS circular sieves are equipped with the mesh cleaning device in multi-frequency vibration mode “MFVexcite”. Especially effective for the separation of powders, granules and liquids considered non-screenable, obtaining the maximum screening efficiency and with the possibility of using mesh up to 20 microns.

Construction features

- Equipped with unique MFV excite technology to eliminate mesh blinding
- All parts in contact with the product are made of stainless steel
- Single and double deck version, dust tight
- Driven by two unbalance motors

Technical features	065.1	095.1	120.1
Electrical power (Kw)	2x0,5	2x0,52	2x0,52
Sieving decks	1	1	1
Mesh surface (m²)	0,33	0,68	1,1
Weight (Kg)	240	340	370

Applications

- Fine and ultra-fine screening of humid and dry material

Advantages

- Extremely high efficiency
- Enables replacement of ultra-sonic screening applications with mechanical operating device
- Cost saving by easy and non-expensive replacement of the screen mesh





CD 095.2 - 120.2

The ScreenX CD circular sieves are equipped with a double mesh cleaning device in multi-frequency vibration mode “MFVexcite”. Especially effective for the separation of powders, granules and liquids considered non-screenable, obtaining the maximum screening efficiency and with the possibility of using mesh up to 20 microns.

Construction features

- Equipped with unique MFV excite technology to eliminate mesh blinding
- All parts in contact with the product are made of stainless steel
- Single and double deck version, dust tight
- Driven by two unbalance motors

Technical features	095.2	120.2
Electrical power (Kw)	2x0,52	2x0,85
Sieving decks	2	2
Mesh surface (m²)	0,68 x 2	1,1 x 2
Weight (Kg)	420	510

Applications

- Fine and ultra-fine screening of humid and dry material

Advantages

- Extremely high efficiency
- Enables replacement of ultra-sonic screening applications with mechanical operating device
- Cost saving by easy and non-expensive replacement of the screen mesh



RS 1506.1 - 2010.1 - 2310.1 - 2814.1

The ScreenX RS rectangular sieves are equipped with the mesh cleaning device in multi-frequency vibration mode “MFVexcite”. Especially effective for the separation of powders, granules and liquids considered non-screenable, obtaining the maximum screening efficiency and with the possibility of using mesh up to 20 microns.

Construction features

- Equipped with unique MFV excite technology to eliminate mesh blinding
- Sturdy mild steel design but stainless steel version on request
- Driven by one or two unbalance motors depending on the model size

Technical features	1506.1	2010.1	2310.1	2814.1
Electrical power (Kw)	1,2	2,8	3,6	4
Sieving decks	1	1	1	1
Mesh surface (m²)	0,9	1,6	2,2	3,6
Weight (Kg)	700	1500	1750	3000

Applications

- Fine and ultra-fine screening of all humid and dry material
- Classificatio and scalping of all quarry and mining products
- Size 2010.1 in special design for liquids and slurries available

Advantages

- Extremely high efficiency compared to traditional screeners with same or greater sieve surface
- Designed for rough ambient and operating conditions
- Low energy cost and maintenance expenses



RD 2811.2



The ScreenX RD rectangular sieves are equipped a double mesh cleaning device in multi-frequency vibration mode “MFVexcite”. Especially effective for the separation of powders, granules and liquids considered non-screenable, obtaining the maximum screening efficiency and with the possibility of using mesh up to 20 microns.

Construction features

- Equipped with unique MFV excite technology to eliminate mesh blinding
- Sturdy mild steel design but stainless steel version on request
- Driven by one or two unbalance motors depending on the model size

Technical features	2811.2
Electrical power (Kw)	4
Sieving decks	2
Mesh surface (m²)	2,6 + 2,6
Weight (Kg)	3500

Applications

- Fine and ultra-fine screening of all humid and dry material
- Classificatio and scalping of all quarry and mining products

Advantages

- Extremely high efficiency compared to traditional screeners with same or greater sieve surface
- Designed for rough ambient and operating conditions
- Low energy cost and maintenance expenses

VTU 1200 - 2000 - 2400



The special tridimensional movement makes it uncomparable in the selection and dedust of dry, powders or granules. Especially suitable for multi-stage separation, of fines, lightweights and difficult to screen products. Use nets with mesh opening up to 20 microns.

Construction features

- Deck clamping system by rods.
- All parts in contact with the product are made of AISI 304 stainless steel
- Connectable discharge outlets.
- Adjustable tridimensional movement.
- Belt transmission.

Technical features	1200	2000	2400
Electrical power (Kw)	2,2	4	5,5
Sieving decks	min 1 - max 5	min 1 - max 5	min 1 - max 5
Mesh surface (m²)	1,13	2,63	4,52
Weight (Kg)	400-700	900-1300	1500-2100

Applications

- Powder screening.

Advantages

- Up to 5 times bigger delivery per smq of sieving surface.
- Extremely high sieving precision quality up to 90-95%.
- Quick replacement of the sieving deck with the mechanical deck lifting system.
- High reliability thanks to its resistant structure.
- Low noise.



Cuccolini®  
CONTINUOUS REFINING MILL

SFERAMILL SM 15



Refining mill with continuous operation and wet milling for printing pastes, colorants and ceramic glazes. The machine may have various levels of automation and control of the particle size. The use of micro milling balls in sintered alumina guarantees zero residue at 46µ.

Construction features

- Continuous cycle operations
- Wear-resistant grinding bodies
- Grinding spheres in sintered alumina
- Water cooling

Technical features

	SM 15
Electrical power (Kw)	7,5
Capacity (kg/h)	da 50 a 600
Grinding chamber capacity (lt)	15
Microsphere qty (kg)	20
Weight (Kg)	465

Applications

- Homogenizing and refining of paste and dyes for silk-screen printing
- Homogenizing of soluble salts for silkscreen printing
- Glaze refining

Advantages

- Easy to use
- Big quantities of product can be grinded without any external intervention
- Easy to install
- Easy to clean
- Low maintenance costs

Cuccolini®  
DISCONTINUOUS REFINING MILL

SMD 1-5-65-100-150-250-350-500

Double action refining mill (dispersion + milling) with discontinuous operation and wet milling for printing pastes, colorants and ceramic glaze. The use of micro milling balls in sintered alumina guarantees zero residue at 46µ. The completeness of the range offered means that all production requirements are satisfied.

Construction features

- Parts in contact with the product made of AISI 304 stainless steel
- Wear-resistant grinding bodies
- Grinding spheres in sintered alumina
- Water cooling

Applications

- Homogenizing and refining of paste and dyes for silk-screen printing
- Homogenizing of soluble salts for silk-screen printing
- Glaze refining

Advantages

- Easy to use
- Easy to install
- Easy to clean
- Low maintenance costs

Technical features	SMD 1	SMD 5	SMD 65	SMD 100	SMD 150	SMD 250	SMD 350	SMD 500
Weight (kg)	105	120	130	360	380	400	930	980
Installed power (kW)	1.5	4	5.5	15	18.5	18.5	30	37
Max. production (Lt/batch)	8	35	65	100	150	220	350	500
Min. grinding time (min)	5	5	5	5	5	5	5	5
Microsphere capacity (kg)	0,5	3,2	3,2	16	16	20	40	40
Sphere diam. (mm)	2,5 - 3,0	3,5 - 4,5	3,5 - 4,5	5 - 7	5 - 7	6 - 7	6 - 7	6 - 7
Max. water qty (Lt/h)	100	200	200	500	500	1000	1000	1000
Max. water inlet temperature (°C)	20	20	20	20	20	20	20	20
Max. water inlet pressure (bar)	1	1	1	1	1	1	1	1





Cuccolini®  
DISCONTINUOUS REFINING MILL

SMD 800 - 1200



Double action refining mill (dispersion + milling) with discontinuous operation and wet milling for printing pastes, colorants and ceramic glaze. The belt transmission between motor and milling components, plus the inverter power supply, mean that large quantities of product can be dispersed and refined.

Construction features

- Parts in contact with the product made of AISI 304 stainless steel
- Wear-resistant grinding bodies
- Grinding spheres in sintered alumina
- Water cooling
- Transmission by belt

Technical features	SMD 800	SMD 1200
Weight (kg)	1200	1500
Installed power (kW)	37	37
Max. production (Lt/batch)	550	800
Min. grinding time (min)	5	5
Microsphere capacity (kg)	80	80
Sphere diam. (mm)	7-8	7-8
Max. water qty (Lt/h)	2000	2000
Max. water inlet temperature (°C)	20	20
Max. water inlet pressure (bar)	1	1

Applications

- Homogenizing and refining of paste and dyes for silk-screen printing
- Homogenizing of soluble salts for silk-screen printing
- Glaze refining

Advantages

- Easy to use
- Easy to install
- Easy to clean
- Low maintenance costs

Cuccolini®  
POWDER IRON REMOVING

CER 600-900-1200

Roller iron removers with automatic cleaning for powders and granulated materials. Operating and installation simplicity together with the remarkable specific power of the permanent magnets in Neodymium used to construct the unit, make the “CER” model the ideal machine for processing large quantities of materials.

Construction features

- Completely made in stainless steel AISI 304.
- Automatic cleaning.
- Permanent magnets, in neodymium

Technical features	600	900	1200
Electrical power (kW)	0,37	0,37	0,37
Drum length (mm)	600	900	1200
Drum diameter (mm)	300	300	300
Max delivery (t/h)	20	30	40
Magnets power (Gauss)	12000	12000	12000
Weight (kg)	162	190	223

Applications

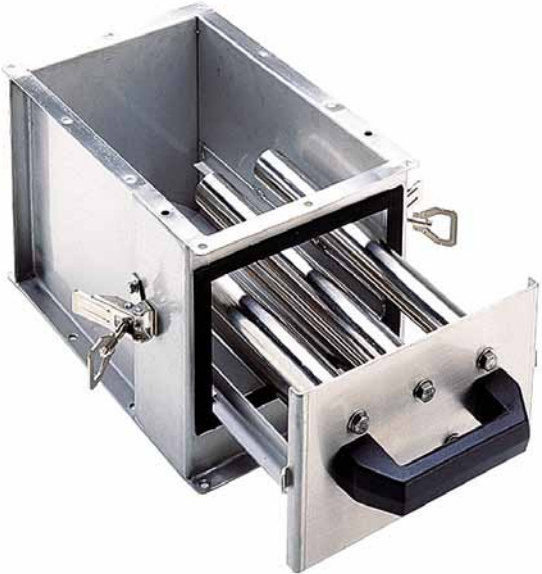
- On spray-dried powder and transfer

Advantages

- Simple construction features.
- High iron removing levels thanks to powerful neodymium magnets.
- Low maintenance costs.



GLM 1/300



Filter with magnetic bars made of Neodymium, small, modular and easy to clean manually.  
Ideal for processing limited quantities of atomised and granulated products and dry materials in general.

Construction features

- Modular box.
- Completely made in stainless steel AISI 304
- Permanent magnetic bars, in neodimium.
- Quick clamps - Manual cleaning

Technical features	GLM 1/300
Magnetic power	16.000 Gauss
Weight (Kg)	kg 10
Nr. of magnetic bars	5

Applications

- Usable for dry materials (fritte, glaze and row materials)
- At the mill discharge
- At the conveyor belt discharge

Advantages

- High efficiency
- Easy installation
- Without maintenance

DECTRON 500-600-800-1000



Electromagnetic plate iron remover with automatic cleaning for powders and raw material in set “sizes”.  
The machine is designed to be installed on feeding belts of mills (raw materials) or of presses (atomised product and dry milled product).

Construction features

- Automatic cleaning operations
- Permanent magnets

Technical features	500	600	800	1000
Magnet electrical power (W)	1100	1500	2000	2700
Compressed air consuption (nl/min)	10	10	10	10
Weight (Kg)	650	850	1100	1400
Belt width (mm)	500	600	800	1000

Applications

- For installation on raw material conveyor belts.

Advantages

- Constant efficiency, guaranteed by the automatic cleaning device.
- Easy installation on existing conveyor belt lines.
- Highly efficient iron removal thanks to the use of powerful electromagnetic plates.
- Significant savings on the costs of maintenance and subsequent iron removal procedures.

PZT 93-253

Iron-removing filter for fluids, operating under pressure and with permanent magnets. The compact size, the remarkable magnetic force of the Neodymium bars and the hermetic seal make the PZT 93-253 filter perfect for use on glazing lines, on service tanks and along glaze transfer piping.

Construction features

- Tank in AISI 304 stainless steel.
- Quick closure lid



Technical features	PZP 93	PZT 253
Magnetic bars	n°3 ø25	n°3 ø25
Max. operating temperature (°C)	80	80
Max. operating pressure (bar)	0,5	0,5
Magnetic power in close field (Gauss)	12.000	12.000
Weight (kg)	3,1	4,8

Applications

- Glaze iron removing

Advantages

- Easy to install on glazing lines
- Excellent iron removing performances
- Easy to clean

PZT 306 - PZP 200

Iron-removing filter for fluids, operating under pressure and with permanent magnets. Particularly suitable for use in glaze preparation departments individually or installed on the GRP trolley-mounted units together with the vibrating sieves and transfer pumps.

Construction features

- AISI 304 stainless steel tank.
- Quick closure lid
- Discharge outlet for quick emptying

Technical features	PZP 200	PZT 306
Magnetic body	Pigna FPT 200	Barre in Neodimio
Magnetic bars		n°6 Ø25
Max. temp. with para rubber joint (°C)	60	60
Max. temp. with EPDM joint (°C)	100	100
Max. operating pressure (bar)	0,5	0,5
Magnetic power in close field (Gauss)	6.000	12.000
Weight (kg)	20	15

Applications

- Body slip and glaze iron removing

Advantages

- Easy to install on glaze transfer lines
- Excellent iron removing performances
- Easy to clean





Cuccolini®  
LIQUID IRON REMOVING

FPT 1-2 /140 - FPT 1-2/200



PATENTED

Cone-shaped iron-removing filter for fluids equipped with extractable magnetic core to facilitate cleaning. Suitable for controlling recovery water, engobe products, low viscosity glazes and slurry.

Construction features

- AISI 304 stainless steel tank.
- Discharge outlet for quick emptying

Technical features	FPT 1/140	FPT 2/140	FPT 1/200	FPT 2/200
Semi-automatic cleaning pine - Magnetic power in close field 6.000 Gauss	n°1 ø140	n°2 ø140	n°1 ø200	n°2 ø200
Magnetic bars in Neodimium - Magnetic power in close field 12.000 Gauss	n°4 ø25	n°8 ø25	n°6 ø25	n°12 ø25
Weight (kg)	11	20	10	20

Applications

- Body slip and glaze iron removing

Advantages

- Easy to install on glaze transfer lines
- Excellent iron removing performances
- Easy to clean

Cuccolini®  
LIQUID IRON REMOVING

DLG 120-142-205-245-300-350-400

Electrical gravity iron-removing filter for fluids. It can be used to control recovery water, slurry and glaze. The very high contact surface offered by the grids together with the operating principle guarantee full contact with the fluid to be processed, plus easy cleaning once disconnected.

Construction features

- Supply tank with float
- Electrocoil at direct current
- Reinforced grids in MAGNETIC STAINLESS STEEL
- Electrical control panel in IP54.

Technical features	120	142	205	245	300	350	400
Electrical power (Watt)	130	220	300	400	600	800	1000
Max Capacity (dm³/h)	1200	2500	6000	12000	16000	24000	34000
Weight (Kg)	50	70	95	165	290	440	620

Technical features	205 PLUS	245 PLUS
Electrical power (Watt)	650	1000
Max Capacity (dm³/h)	9000	12000
Weight (Kg)	154	200

Applications

- Iron removing for water, slip and glaze lines in ceramic industry

Advantages

- Good ferromagnetic screening performances.
- Easy to clean by disconnecting the magnetic field.



Cuccolini®  
LIQUID IRON REMOVING

DLP 120-142-205-245-300-350-400



Electrical gravity iron-removing filter for fluids. It can be used to control recovery water, slurry and glaze. The remarkable contact surface offered by the grids, together with the operating principle guarantee full contact with the fluid to be processed, plus easy cleaning once disconnected.

- Construction features**
- Female threaded coupling for pressure supply
  - Electrocoil at direct current
  - Reinforced grids in MAGNETIC STAINLESS STEEL
  - Electrical control panel in IP54.
  - Corrosionproof zinc-plated structure.

Technical features	120	142	205	245	300	350	400
Electrical power (Watt)	130	220	300	400	600	800	1000
Max. Capacity (dm³/h)	1200	2500	6000	12000	16000	24000	34000
Max. operating pressure (bar)	10	10	8	8	6	5	5
Weight (Kg)	52	74	100	180	305	460	650

Technical features	205 PLUS	245 PLUS
Electrical power (Watt)	650	1000
Max. Capacity (dm³/h)	900	1200
Max. operating pressure (bar)	8	8
Weight (Kg)	180	240

- Applications**
- Iron removing for water, slip and glaze lines in ceramic industry

- Advantages**
- Good ferromagnetic screening performances.
  - Easy to clean by disconnecting the magnetic field.

Cuccolini®  
LIQUID IRON REMOVING

DLS 205



Electrical gravity iron-removing filter for fluids. It can be used to control recovery water, slurry and glaze. The remarkable contact surface offered by the grids, together with the operating principle guarantee full contact with the fluid to be processed, plus easy cleaning once disconnected.

- Construction features**
- Discharge outlet in stainless steel
  - Electrocoil at direct current
  - Reinforced grids in MAGNETIC STAINLESS STEEL
  - Electrical control panel in IP54.

Technical features	DLS 205	DLS 205 PLUS
Electrical power (Watt)	300	650
Max Capacity (dm³/h)	6000	9000
Weight (Kg)	105	148

- Applications**
- Body slip and glaze lines in ceramic industry

- Advantages**
- Good ferromagnetic screening performances in case of medium-sized impurities
  - Easy to clean by disconnecting the magnetic field

CUCCOLINI®

LIQUID IRON REMOVING

DEMAG 255 - 405 - (805 only version PLUS)



Iron-remover for fluids with automatic cleaning. The amazing strength of the permanent magnets made of Neodymium used to construct the rollers and the exclusive automatic cleaning system make the DEMAG iron-remover the most effective unit for controlling ceramic slurry.

Construction features

- Contact parts made in AISI 304 stainless steel
- Automatic cleaning operations
- Permanent magnets

Technical features	255	405	805 PLUS
Electrical power (Kw)	0,37+0,18	0,37+0,18	0,55 + 0,18
Magnet nom. power (gauss)	12000	12000	16000
Cleaning water consumption (l/h)	120	240	240
Weight (Kg)	280	310	594
Max. capacity (l/h)	12000	18000	36000

Applications

- At vibrating sieve discharge
- At mill discharge
- After storage tanks
- Liquid iron removing

Advantages

- High-efficiency results thanks to neodymium magnets
- Constant efficiency due to automatic cleaning systems
- High capacity

CUCCOLINI®

PUMPS FOR ABRASIVE FLUIDS

Centrifugal pumps with vertical axle

EGV-T / EGV-D-G



The vertical centrifugal pumps, model EGV, are manufactured especially for transferring highly abrasive fluids such as slurry, glaze, water with suspended solids etc. The shaft is guided by bearings outside the tank, ensuring reduced maintenance even in the presence of abrasive fluids. The pump casing and the impeller are lined with special synthetic wear-resistant materials. The use of open impellers enables the transfer of large bodies without clogging.

Construction features

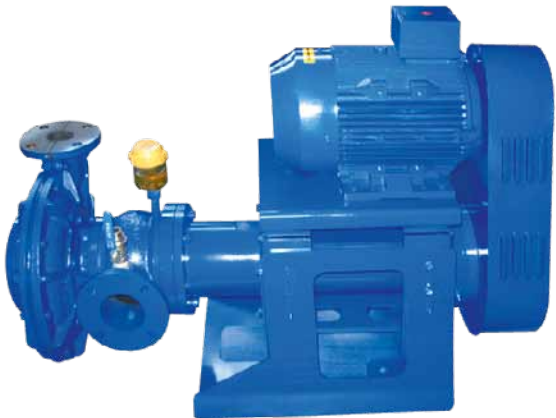
- Body: painted cast iron
- Supports: cast iron + carbon steel
- Coatings: anti-wear rubber

(\*) Power referred to water at the maximum flow rate

Technical features	3X	3Y	4X	4Y	5X	6X	8X
Kw*	2,2	7,5	4	15	7,5	18,5	18,5
Rpm	1450	2800	1450	2800	1450	1450	1450
Flow rate min. lt/1'	150	150	400	400	500	750	700
Head m w.c.	9	29	11	41	17	29	22
Flow rate max. lt/1'	500	1000	750	1750	1000	2000	3500
Head m w.c.	5	11	8	12	8	15	5



EGO-D/EGO-T



The horizontal centrifugal pumps, model EGO are manufactured especially for transferring highly abrasive fluids such as slurry, glaze, water with suspended solids etc. The oil bath seal or the water fluxing ensure lasting wear. The pump casing and the impeller are lined with special synthetic wear-resistant materials. The use of open impellers enables the transfer of large bodies without clogging.

Construction features

- Body: painted cast iron
- Supports: cast iron + carbon steel
- Coatings: anti-wear rubber

(\*) Power referred to water at the maximum flow rate

Technical features	3X	3Y	4X	4Y	5X	6X	8X
Kw*	2,2	7,5	4	15	7,5	18,5	18,5
Rpm	1450	2800	1450	2800	1450	1450	1450
Flow rate min. lt/1'	150	150	400	400	500	750	700
Head m w.c.	9	29	11	41	17	29	22
Flow rate max. lt/1'	500	1000	750	1750	1000	2000	3500
Head m w.c.	5	11	8	12	8	15	5

EGS

The horizontal centrifugal pumps, model EGO are manufactured especially for transferring highly abrasive fluids such as slurry, glaze, water with suspended solids etc. The oil bath seal or the water fluxing ensure lasting wear. The pump casing and the impeller are lined with special synthetic wear-resistant materials. The use of open impellers enables the transfer of large bodies without clogging.

Construction features

- Body: painted cast iron
- Supports: cast iron + carbon steel
- Coatings: anti-wear rubber
- Turbines made of special alloys or coated with various types of wear-proof rubber
- Equipped with a thermal probe and a probe for detecting water into the oil chamber.

(\*) Power referred to water at the maximum flow rate.

Technical features	3X	3Y	4X	4Y	5X	6X	8X
Kw*	4	7,5	4	15	7,5	18,5	18,5
Rpm	1450	2800	1450	2800	1450	1450	1450
Flow rate min. lt/1'	150	150	400	400	500	750	700
Head m w.c.	9	29	11	41	17	29	22
Flow rate max. lt/1'	500	1000	750	1750	1000	2000	3500
Head m w.c.	5	11	8	12	8	15	5



Cuccolini®  
TANK AT MILL DISCHARGE WITH  
RUBBER-COATED PUMP

EGM



The tank is completely made o AISI 304 stainless steel and equipped with 4 support feet. The tank inner part has an inclined bottom to allow the product transfer on the pump aspiration side, keeping the tank bottom clean. The filtration grid installed inside the tank is made of AISI 304 stainless steel. The transmission is direct, the panel of the oversize shaft is made of anti-wear chrome. The external pump body is made of cast iron in its coupling parts. The pump is equipped with inner gloves made of anti-wear. thick rub-ber which can be interchanged.

Construction features

- Body: painted cast iron
- Supports: cast iron + carbon steel
- Coatings: anti-wear rubber
- Turbines made of special alloys or coated with various types of wear-proof rubber
- Equipped with a thermal probe and a probe for detecting water into the oil chamber.

( \*) Electrical power referred to slip at the max flow rate.

Technical features	3X	3Y	4X	4Y	5X	6X	8X
Kw*	2,2	7,5	4	15	7,5	18,5	18,5
Rpm	1450	2800	1450	2800	1450	1450	1450
Flow rate min. lt/1'	150	150	400	400	500	750	700
Head m w.c.	9	29	11	41	17	29	22
Flow rate max lt/1'	500	1000	750	1750	1000	2000	3500
Head m w.c.	5	11	8	12	8	15	5

Advantages

This rubber-coated, electo-pump with tank can be used in plants where the product flux is not constant. It can work also with small product quantities. This pump can work even zith dry products and is available also in a mobile, trolley version.

Cuccolini®  
MILL DISCHARGE UNIT

SMV 1T / SMV 2T



Construction features

A storage discharge with double vertical pump EGV-T here the shaft works overhanging without the bottom bushing and allows them to work on a dry condition. Pump with belt transmission. The tank is in stainless steel AISI 304 for the parts that are in contact with the fluids, the remaining parts are in carbon steel and varnished. The suction butterfly valves, manual control, lens in stainless steel AISI 316. Transmission tube in abrasionproof rubber. Double sleeve valves anti-wear with flow regulator. Valve antireturn.

( \*) Electrical power referred to slip at the max flow rate.

Technical features	SMV2 5/T	SMV2 6/T	SMV2 6/T	SMV2 8/T	SMV2 8/T
Model Kw*	9,2	15	18,5	15	18,5
Poli	4	4	4	4	4

Applications

- At the continuos mill discharge
- For slip decant

Advantages

- Two pumps allow the continuos running without mechanical stops.
- Pumps anti-wear rubber coated for high durability.

TANK AT MILL DISCHARGE WITH RUBBER-COATED PUMP

MILL DISCHARGE UNIT

Cuccolini®  
MILL DESCHARGE UNIT

SMV 1D / SMV 2D



Caratteristiche costruttive

A storage discharge with double vertical pump EGV-T here the shaft works overhanging without the bottom bushing and allows them to work on a dry condition.  
Pump with belt transmission.  
The tank is in stainless steel AISI 304 for the parts that are in contact with the fluids, the remaining parts are in carbon steel and varnished.  
The suction butterfly valves, manual control, lens in stainless steel AISI 316.  
Transmission tube in abrasionproof rubber.  
Double sleeve valves anti-wear with flow regulator.  
Valve antireturn.

( \*) Electrical power referred to slip at the max flow rate.

Technical features	SMV2 4/D	SMV2 5/D
Kw*	5,5 / 7,5	9,2 / 11
Poli	4 / 4	4 / 4

Applications

- At the continuous mill discharge
- For slip decant

Advantages

- Two pumps allow the continuous running without mechanical stops.
- Pumps anti-wear rubber coated for high durability.

Cuccolini®  
VERTICAL GLAZE PUMP

CPSV

Vertical centrifugal electro-pump with support for glazing lines.

Construction features

- Contact parts stainless steel aisi 304.
- Body pump and impeller coated by polyurethane.

Technical features	CPSV/0,5	CPSV/1	CPSV/1,5	CPSV/2
Electrical power KW	0,33	0,75	1,1	1,5
Delivery lt/1'	30	60	60	60
Delivery head mt	2	5	5	5
Weight	18	27	28	29

Applications

- Glazes transfer from stock tanks to application unit of glazing lines.

Advantages

- Reduced dimension.
- Low consumption.
- Low maintenance.





EGT 3-4-5-6



PATENTED

100% electronically-controlled dissolver used for:

- Recovering powder sent from sleeve filters (atomizers and other systems)
- Dispersion of colorant oxides.

Construction features

A unit with double vertical pump EGV-D here the shaft works overhanging without the bottom bushing and allows them to work on a dry condition. The tank is in stainless steel AISI 304 for the parts that are in contact with the fluids, the remaining parts are in carbon steel and zinc plated. Transmission tube in abrasionproof rubber. A new weighing system allows to achieve the correct dosage of liquid and powders with ease.

Technical features	EGT - 3	EGT - 4	EGT - 5	EGT - 6
Electrical power KW	4	7,5	15	18,5
Tank capacity lt.	300	500	1000	1500
Weight kg.	240	330	575	1000

Applications

- At the filters discharge
- To break down different powders

Advantages

- Great dosing safe and precision.
- Pumps anti-wear rubber coated for high durability.

AC trolley-mounted mixer



Ideally used in milling departments or glazing lines for mixing and making smooth glazes and printing pastes, also in large quantities.

Construction features

- Stainless steel aisi 304 structure mounted on trolley with wheels.
- Lifting trolley made in stainless steel aisi 304.
- Stainless steel endless screw driven by nr.2 alluminium support complete of balls bearing

Technical features	AC-1	AC-3	AC-5	AC-7
Hp.	1,5	3	5,5	7,5
Motor 6 poles (RPM)	1000	1000	1000	1000
Motor 4 poles (RPM)	1500	1500	1500	1500
Motor 2 poles (RPM)	3000	3000	3000	3000
ø stirrer (mm)	130/150	130/150	130/150	150/180
Inverter	Optional	Optional	Optional	Optional

Technical features

- Up and down limit switch mounted on lifting trolley
- Cable-holder chain
- Electrical control panel equipped with:
  - Main switch;
  - Up/Down button;
  - On/Off button;
  - Speed adjustment for mixers equipped with inverter

AM trolley-mounted mixer



Ideally used in milling departments or glazing lines for mixing and making smooth glazes and printing pastes, also in large quantities.

Construction features

- Stainless steel aisi 304 structure complete of nr.2 flange for the wall attachment .
- Lifting trolley made in stainless steel aisi 304.
- Stainless steel endless screw driven by nr.2 alluminium support complete of balls bearing

Technical features	AM-1	AM-3	AM-5	AM-7	AM-10
Hp.	1,5	3	5,5	7,5	10
Motor 6 poles (RPM)	1000	1000	1000	1000	1000
Motor 4 poles (RPM)	1500	1500	1500	1500	1500
Motor 2 poles (RPM)	3000	3000	3000	3000	3000
ø stirrer (mm)	130/150	130/150	130/150	150/180	180/200
Inverter	Optional	Optional	Optional	Optional	Optional

Technical features

- Up and down limit switch mounted on lifting trolley
- Cable-holder chain
- Electrical control panel equipped with:
  - Main switch;
  - Up/Down button;
  - On/Off button;
  - Speed adjustment for mixers equipped with inverter

A/LAB mixer/dispersion unit



Ideally used in labs for mixing and making smooth glazes, printing pastes and fluids in general.

Construction features

- Stainless steel aisi 304 structure mounted on nr.4 feet height adjustable.
- Running linear guide.
- Automatic lifting by linear actuator electronically driven.

Technical features	A/LAB-1	A/LAB-2	A/LAB-3
Power W.	170	250	450
Volts DC	170	170	170
RPM min/max	0/3.000	0/3.000	0/3.000
ø Stirrer	30/45/50	30/45/50	45/50/60
Weight kg.	55	57	58

Technical features

- Main electrical panel made of:
  - electronic card to check and regulate the speed of the main motor
  - main switchpower supply
- Push button panel with display mounted on the motor
  - display to show the speed
  - On/Off button;
  - Up/Down button;
  - emergency switch;

Cuccolini®  
FILTER FOR FLUIDS

FM 80 / FM 115



Filter for glaze with cartridge filter mesh. Various mesh sizes are available and the container is pre-arranged to house one (FM 80) or three (FM 115) Neodymium magnetic bars. It is particularly suitable for use on the delivery line of service tanks for glaze application units and printing pastes on glazing lines.

Construction features

- Completely made in stainless steel AISI 304
- Strainer with s.s. mesh cartridge (mesh opening 500 µm.)
- Magnetic bar in neodymium (optional)

Technical features	FM 80	FM 115
Magnetic power in close field (Gauss)	9000	9000
Number of bars	1	3
Weight kg.	1,6	3,7

Applications

- For fluids filtering and iron removing

Advantages

- Cheap and small
- Fast cleaning and maintenance
- Easy installation

Cuccolini®  
MIXING TANK FOR GLAZE WITH PUMP

CSMP

Structure built in stainless steel AISI 304, complete with 4 casters; Impeller pump built completely in wear-resistant material; Central transmission supporting tube in stainless steel AISI 304; Motor supporting bell in aluminium complete with bearings; Pump commanding shaft in stainless steel AISI 304; 3-way feeding valve, complete with brass hose clamp.

Construction features

Glaze mixer suitable for feeding application units of glazing lines (i.e.: bells/discs etc). Thanks to the constant re-circulation of the product, which is also adjustable via a 3-way valve, you can obtain a perfect mix without any sediments. The feeding pump (and re-circulation pump) is entirely built with wear-resistant material and offers long life in time, drastically reducing maintenance. The internal profiles are designed to ensure outstanding hydraulic performance.

Technical features	CSMP 600	CSMP 800	CSMP 1000
Stirrer gearmotor Kw	1,1	1,1	1,1
Pump gearmotor lt/min	60	60	60
Pump delivery head mt.	5	5	5
Capacity lt.	125	220	330
Weight kg.	55	60	70



FILTER FOR FLUIDS

MIXING TANK FOR GLAZE WITH PUMP



Cuccolini®

MIXING TANK FOR GLAZE WITH PUMP

CM-8



Glaze mixer suitable for feeding application units of glazing lines (i.e.: bells/discs etc). Thanks to the constant re-circulation of the product, you can obtain a perfect mix without any sediments. Its peculiar “8” shape enables the installation of the CPSV vertical pump.



Construction features

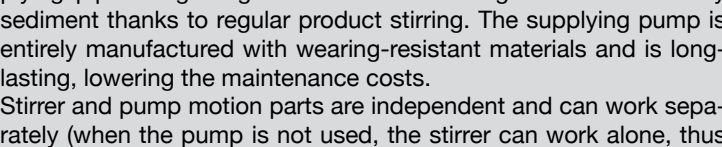
- Container unit in stainless steel AISI 304, in the shape of a figure of 8, pre-arranged to contain a vertical pump.
- Bottom trolley structure in painted steel, complete with 3 wheels
- Transmission supporting cross piece in stainless steel AISI 304
- Cover in stainless steel AISI 304, split-up into two parts and hinged to the cross piece (optional)
- Guards under the cover with grid in stainless steel AISI 304 (optional)
- Protection between the two containers with grid in stainless steel AISI 304 (optional)
- Mixer unit made up of:
  - \* gear motor 0.33 kW
  - \* mixer shaft in stainless steel type AISI 304
  - \* 2 blades in stainless steel AISI 304, fixed to the shaft with bushes that are adjustable in height

Technical features	Mastello per smalti CM-8
Kw	0,33
Capacity lt	300
Weight kg	97
R.P.M.	28

Cuccolini®

GLAZE TANK WITH PUMP AND STIRRERCONTROLLED SEPARATELY

C-MAP



Mixing tank for glaze equipped with slow stirrer, designed for supplying pipes in glazing lines. Excellent mixing action without any sediment thanks to regular product stirring. The supplying pump is entirely manufactured with wearing-resistant materials and is long-lasting, lowering the maintenance costs. Stirrer and pump motion parts are independent and can work separately (when the pump is not used, the stirrer can work alone, thus avoiding products from overheating).

Construction features

- Structure made of stainless steel AISI 304 with 4 turning wheels
- Pump with impeller made in wearing-resistant materials
- Crossbar supporting pump unit and stirrer in stainless steel AISI 304
- Support bell to motor in aluminium equipped with bearings
- Stirrer shaft in stainless steel AISI 304
- Pump shaft in stainless steel AISI 304
- 3-way supplying valve in stainless steel equipped with brass hose nipple
- Lid made of stainless steel AISI 304, split into two parts hinged to crossbar (optional)
- Protection net installed inside (optional)

Technical features	C-MAP 800	C-MAP 1000
Stirrer gearmotor kW	0,37	0,37
Pump gearmotor kW	1,1	1,1
Capacity	220	330
Pump delivery lt	115	115
Pump delivery head mt	4,5	4,5
Stirrer R.P.M.	24	24
Weight kg	100	108



MIXING TANK FOR GLAZE WITH PUMP

GLAZE TANK WITH PUMP AND STIRRERCONTROLLED SEPARATELY

Cuccolini®  
TANKS WITH STIRRER IN  
STAINLESS STEEL AISI 304

CMI



Glaze mixer complete with slow stirrer, suitable for feeding application units on glazing lines (i.e.: bells/discs etc.). Sediments are eliminated thanks to the fact that the product is mixed slowly and constantly.

Construction features

Container made in stainless steel AISI 304  
Fluxbreaker in stainless steel AISI 304 placed at 180°  
2" outlet ball valve  
Tank bottom in stainless steel AISI 304  
Lower base with forklift grip, made in thick, AISI 304 stainless steel plate, welded on the container  
Upper crossbar in stainless steel AISI 304 fixed on the container edge  
Lid made of stainless steel AISI 304, split into two parts hinged to crossbar  
Protection grids fixed inside the container under the lid (optional)  
Stirring unit equipped with:  
• Gearmotor with connection flange to crossbar  
• Shaft in stainless steel AISI 304  
• no. 02 blades in stainless steel AISI 304 fixed on the shaft with adjustable upwards bushings (can be replaced by a rack).

Technical features	CMI 500	CMI 800	CMI 1000	CMI 1500	CMI 2000	CMI 4000
Capacity lt.	500	800	1000	1500	2000	4000
Gearmotor kW	0.75	0.75	1.1	1.1	1.5	2.2
Outgoing R.P.M.	24	24	24	24	28	18

Tank with blade mixer for mixing raw materials, colorants and printing medium.  
The variable speed gear motor enables the variation of the rotation speed of the mixer during the mixing process, thus guaranteeing a perfectly smooth finished product.

Construction features

- Tank and stirrer in AISI 304 stainless steel.
- Trolley and fixed version available.
- Stainless steel cover with safety net.
- Suction pipe.
- Double discharge outlet.

Technical features	M100	M300	M500	M750
Electrical power (Kw)	0,37	0,55	0,75	0,75
Total capacity (litres)	100	300	500	750
Shaft rev. with motor variator (rpm)	18÷94	19÷100	15÷100	16÷80
Shaft rev. with gearmotor (rpm)	100	80	65	65
Weight (Kg)	70	85	100	120

Applications

- Preparation of silk-screen printing pastes.

Cuccolini®  
MIXING TANKS FOR SILK-SCREEN  
PRINTING PASTES

M100-300-500-750



STANDARD MESH TABLE

These pages list the meshes suggested by CUCCOLINI to be installed on grinding machines for ceramic products.

- The mesh models have been selected to offer the best performances as far as capacity, screening quality and mesh life are concerned.
- The meshes have to be chosen according to the product characteristics such as particle size, density, iscosity, residual material on the mesh, kind of installation required. The hourly capacity of CUCCOLINI vibrating sieves depends on the parameters above mentioned. The mesh are available in stainless steel aisi 304, aisi 316, nylon PA6.6, polyester, polyurethane and in high tensile steel.

Net mesh clearance (mm)	Wire diameter (mm)	Usable surface %	Mesh no.x cm²	Identification no.
2,49 x 2,49	0,6	64,6	10,6	9
2,03 x 2,03	0,5	64	15,8	11
1,74 x 1,74	0,4	63,3	21,8	13
1,58 x 1,58	0,4	63,4	25,3	14
0,209 x 0,209	0,1	46,3	1050	90
0,178 x 0,178	0,1	41,1	1296	100
0,153 x 0,153	0,1	36,2	1568	110
0,141 x 0,141	0,09	37,1	1886	120
0,151 x 0,151	0,08	42,6	1886	120
0,144 x 0,144	0,07	45,4	2190	130
0,144 x 0,144	0,07	45,4	2190	130
0,125 x 0,125	0,06	45,6	2916	150
0,114 x 0,114	0,06	42,4	3318	160
0,104 x 0,104	0,05	45,4	4200	180
0,089 x 0,089	0,05	41,1	5184	200
0,076 x 0,076	0,05	36,2	6273	220
0,061 x 0,061	0,05	30,1	8100	250



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