



Feeding with fluid products contained in vessels



Feeding from bags



Feeding from silo



Manual feeding of loose aggregates



Feeding from large mixers



Direct mixing pump



Indirect mixing plastering pump



Compressed air conveyer



Planetary vertical axis mixer



Continuous horizontal axis mixer



Spraying pump



Cast with open hose



Airless pump



Exclusive IMER variable speed inverter



Single-phase



Three-phase



Petrol engine



Diesel engine



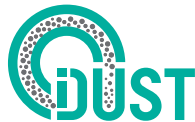
Forced feed hopper with feeding wheel



Electropump



IMERVIEW remote control system



Advanced dust control system

Electric Motors available

50 Hz

115V/50Hz Sph

230V/50Hz Sph

400V/50Hz Tph

60 Hz

115V/60Hz Sph

230V/60Hz Sph

230V/60Hz Tph

400V/60Hz Tph

50/60 Hz

115V 50/60Hz Sph

230V 50/60Hz Sph

400V 50/60Hz Tph

NEW KOINE 3.1

Ready for any challenge on the construction site

Suitable for the application of all the premixed products contained in the bag, with a particular aptitude for the application of fiber reinforced structural mortars, dehumidifying products, products for the application and finishing of thermal insulation panels and cement / gypsum / lime based putty. Koine 3.1 is transformed into a pump for ready-to-use smoothing products in paste (silica or quartz-based finishing and decoration mortars, injection slurries, mortars for tuckpointing etc.), by simply turning a switch in the control panel and adjusting the flow of material to your liking.

But that's not all: the new plastering machine is designed to be versatile and easy to use. The machine is not a simple restyling of an old project, but an innovative plastering machine that can also be used by the less experienced operator.



Display for diagnostic and operational indications



Safety sensor

in case of removal of the hopper grate or opening mixer motor

Easy Start

Advanced starting system of the plaster sprayer, without risk of blocking.

Easy handling

also on the most uneven terrain, thanks to the 300 mm wheels and an excellent balance of the machine.

HI-TECH HEART

Diagnostic technology has made enormous strides in recent years in all sectors. Imer has always followed this trend by developing ever more efficient machine-operator communication systems capable of making an apparently complex machine easily manageable for anyone who has to use it.

This technology applied to the Koine 3.1, combined with the exclusive Easy Start starting system and an extremely intuitive control panel equipped with a diagnostic and operational display, makes Koine 3.1 easier to use than all its competitors.

The machine is a single-phase plastering machine, which can work easily with only 3 kW of available power. It has small dimensions and weight (159 kg, complete with water pump and compressor), easily separable into four parts. It is also designed for all renovation works, where accessible spaces are restricted and the portability of equipment is of fundamental importance.



Two solutions to satisfy the most demanding users.

Imer IM250 diaphragm compressor 250 l / min removable on board the machine (Koine 3.1).

Fini VKM 402 piston compressor 400 l / min removable on board the machine (Koine 3.1 Coat).

Find out more details on page 20





NO MORE DUST ON THE SITE!

I-Dust gates by IMER provide a considerable reduction in the diffusion of dust while bagged material is poured onto the drum and during the mixing phase. The I-Dust grate must be connected to a vacuum cleaner. Ideal for indoor work!



Available for series:

- Spin
- Mix
- Koine

I-Dust grate significantly limits the dispersion of dust in the surrounding environment!



Minimum requirements of the recommended vacuum cleaner for connection with I-Dust grate:

- 1400 W
- Cyclone filter

KOINE 4

Continuous cycle spraying and mixing pump

50 Hz

Koine 4 400V/50Hz Tph - 7.45 kW
1106005

60 Hz

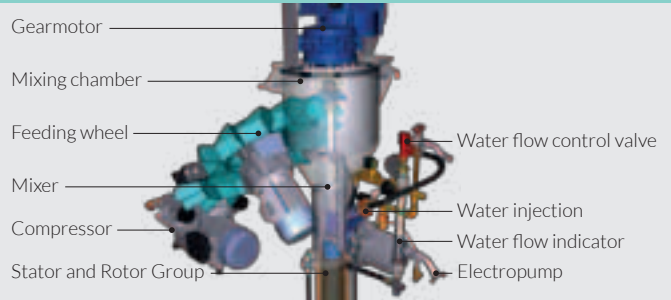
Koine 4 230V/60Hz Tph - 7.45 kW
1106003

Koine 4 400V/60Hz Tph - 7.45 kW
1106112



A simple control panel and electrical system, designed to reduce the number of components and parts most subject to wear, significantly increasing reliability and longevity.

Equipped with a manual phase inverter with light signals to identify the correct phase, overload alarm, optimal water pressure and stand-by control status (air closed).



Gearmotor —
Mixing chamber —
Feeding wheel —
Mixer —
Compressor —
Stator and Rotor Group —
Water flow control valve —
Water injection —
Water flow indicator —
Electropump —

Description

Continuous cycle mixing pump, suitable for pumping or spraying dry premixed materials:

- Cement / lime / gypsum plaster based
- Structural reinforcement mortars
- Structural plasters
- Restorative plasters
- Stucco
- Binders / mortars for injections
- Grout / Core-Fill Grout
- Glues for thermal insulation coatings
- Thermal insulating screeds based on cork or polystyrene
- Insulating plasters based on polystyrene or cork
- Fireproofing mortar
- Self-levelling cement-based screeds
- Self-levelling anhydride-based screeds

Bagged dry materials are poured into the dry hopper of the machine directly, or the machine can be loaded automatically from a silo even at considerable distances (over 100 m) using the Storm Plus conveyor system and a special blower hood complete of air / dust separator filter to be placed in the hopper of the machine.

Operation

The bagged material, or product coming from the silo, is poured into the hopper, where a feeding wheel fills the mixing chamber continuously and constantly. The water necessary to obtain the mixture is injected into the mixing chamber by a stainless steel pump. The water flow is kept constant through a technical stabilization system and controlled by a valve that starts or stops the flow if necessary.

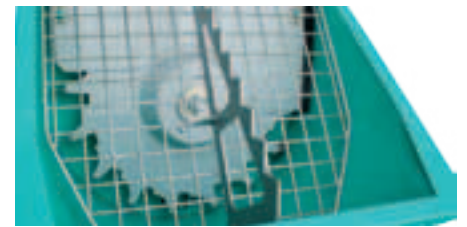
The amount of water in the mixture can be viewed in the flow meter and can be adjusted according to the needs through a micrometric valve. The material is mixed with water and immediately sucked by the eccentric screw pump and pushed into the pipe until it reaches the end of the spray gun. From here, with the help of the air supplied by the standard integrated compressor, it is sprayed on the application area, from a distance of about 20 cm. The material flow can be started or stopped directly from the spray gun by opening or closing the air valve.

Washing is simple, very fast and without water spilling in the work area. The only area that needs to be cleaned is the one where the mixture takes place. The unused dry material can remain in the hopper and be removed if necessary, by opening the appropriate discharge plug at the bottom of the hopper.

The Koine 4 is equipped with safety devices and devices for protecting electric motors from overloads with light signals:

- Correct line / phase presence
- Overload alarm (magnetothermal intervention)
- Presence of optimal water pressure
- Stand-by control status (air closed)
- Self-resetting thermal protector intervention in the mixing motor

In addition to the electromechanical part, the electrical panel contains a compressed air system inside, with a service pressure gauge useful for any checks.



Easily removable feeding wheel.



Practical toolbox.



Impact resistant square tubular frame.



Cast iron material delivery flange with pressure gauge. Direct connection for Ø35 F pipe. It allows to extend the pipes up to 50 m with the minimum increase in working pressure. The reduction to apply the Ø 25 pipe is included in the standard equipment.



Hydraulic system in anti-oxidation brass. Arrangement of components designed to improve water drainage in winter. Large sized self-priming electropump, capable of 4.5 bar pressure, with stainless steel cap and brass impeller.

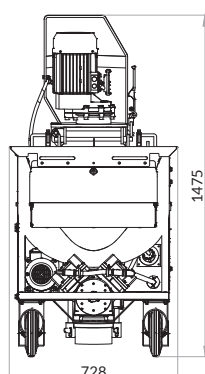
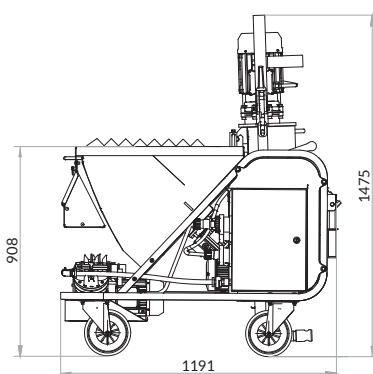
Standard Equipment

Stator and Rotor D6-3
Material delivery pressure gauge
Feeding wheel gearmotor
Power supply and control panel
INGX2 stainless steel self-priming electropump
Brass water system with flow meter and with ANTIFREEZE discharge
40 m electric cable
40 m water hose Ø 19 mm
15 m material hose Ø 25 mm with quick couplings
16 m air hose Ø 13 mm with quick couplings
Built-in accessory box with gun and reduction Ø 35 - Ø 25
Cleaning accessories (scraper and sponge)
Rotor replacement wrench

Technical data


Power supply	-	400V / 50-60Hz 230V / 60Hz
Max installed power	kW	7.45
Mixing motor power	kW	5.5
Feeding wheel gearmotor power	kW	0.75
Electropump motor power	kW	0.45
Membrane compressor	-	0.75 kW - 2501 / min
Material flow*	l/min	22
Pumping distance with Ø 25 mm hose*	m	25
Pumping distance with Ø 35 mm hose*	m	50
Pumping height*	m	30
Hopper capacity	l	110
Loading height	mm	900
Sound pressure level	dB(A)	< 80
Machine dimensions w / l / h	mm	728 / 1191 / 1475
Machine weight	kg	263
Packed machine dimensions w / l / h	mm	840 / 1200 / 1250
Packed machine weight	kg	355

(*) The values indicated are subject to variations based on the characteristics of the materials used, their consistency, the type of stator / rotor installed and the size of the hose used.



Setups for specific applications **KOINE 4**

A



Self-levelling cement / anhydride based screeds

1107091 Self-levelling Kit

B



Accessories for thermal plaster, lightened screed and fireproofing materials

1107028 Stator D8-1.5 - CLAMP Ocher yellow

1107029 Rotor D8-1.5 with tab - Ocher yellow

1107541 Mixer for lightened materials

1107517 Turbo mixer

C



Accessories for thermal plaster, lightened screed based on cork or polystyrene and fireproofing materials. Without turbine

1107028 Stator D8-1.5 - CLAMP Ocher yellow

1107031 Rotor D8-1.5 MONO CLAMP - Green

1107541 Mixer for lightened materials

Accessories for customized setups **KOINE 4**

D6-3 Orange

➔ Recommended for:

- Cement / lime / gypsum plaster based
- Stucco
- Binders / mortars for injections
- Glues for thermal insulation coatings
- Fireproofing
- Self-levelling screeds for thicknesses up to 1.5 cm

Pressure (bar) 30
Maximum grain size (mm) 3
Flow rate (l / min) 20

1107020  Stator D6-3

1107021  Rotor D6-3

1107037  Stator D6-3 NO SPINNING

1107017  Rotor D6-3 FLEX

1107163  Rotor D6-3 with tab

D5-2.5 Gray

➔ Recommended for:

- Cement / lime based plasters
- Structural plasters
- Restorative plasters
- Structural reinforcement mortars
- Grout / Core-Fill Grout
- Fireproofing

Pressure (bar) 25
Maximum grain size (mm) 3
Flow rate (l / min) 25

1107040  Stator D5-2.5 NO SPINNING

1107023  Rotor D5-2.5

1107044  Rotor D5-2.5 FLEX

D7-2.5 White

➔ Recommended for:

- Cement / lime based plasters
- Structural plasters
- Restorative plasters
- Structural reinforcement mortars
- Grout / Core-Fill Grout
- Fireproofing

Pressure (bar) 25
Maximum grain size (mm) 4
Flow rate (l / min) 27

1107041  Stator D7-2.5 NO SPINNING

1107025  Rotor D7-2.5

D8-2 Black

➔ Recommended for:

- Grout / Core-Fill Grout
- Self-levelling cement-based screeds
- Self-levelling anhydride-based screeds
- Structural reinforcement mortars
- Fireproofing

Pressure (bar) 20
Maximum grain size (mm) 3
Flow rate (l / min) 34

1107042  Stator D8-2 NO SPINNING

1107027  Rotor D8-2

1107043  Rotor D8-2 FLEX

D8-1.5 Ocher yellow

➔ Recommended for:

- Self-levelling anhydride-based screeds
- Thermal insulating screeds based on cork or polystyrene
- Insulating plasters based on polystyrene or cork
- Structural reinforcement mortars
- Grout / Core-Fill Grout

Pressure (bar) 15
Maximum grain size (mm) 5
Flow rate (l / min) 38

1107028  Stator D8-1.5 CLAMP

1107031  Rotor D8-1.5 MONO Green

1107029  Rotor D8-1.5 with tab

D4-1/2 Lemon Yellow

➔ Recommended for:

- Glues for coatings
- Finish coat

Pressure (bar) 25
Maximum grain size (mm) 3
Flow rate (l / min) 13

1107032  Stator for grouting D4-1 / 2 CLAMP

1107033  Rotor D4-1 / 2

1107542		Standard mixer	1107597		Mixer for self-levelling floor screeds	1107541		Mixer for lightened materials
1107500		Blower hood for Koine 4 and Koine 35 Complete with filter. (Level sensor not included)	1107491		I-Dust grate and motor air flow diverter	1107517		Turbo mixer
1107540		Ø 25 F spray gun for traditional/premixed plaster with Ø14 deflector (Duse)	1107549		Ø 25 F spray gun, 1.43 m long for fireproofing and premixed plaster	1107570		U-shaped steel pipe Ø 25
1107551		10 pcs kit deflectors Ø 10 (Duse) in polyurethane for premixed plaster	1107557		5 pcs kit deflectors Ø 10 in polyurethane for traditional plaster			
1107552		10 pcs kit deflectors Ø 12 (Duse) in polyurethane for premixed plaster	1107558		5 pcs kit deflectors Ø 12 in polyurethane for traditional plaster			
1107553		10 pcs kit deflectors Ø 14 (Duse) in polyurethane for premixed plaster	1107559		5 pcs kit deflectors Ø 14 in polyurethane for traditional plaster			
1107554		10 pcs kit deflectors Ø 16 (Duse) in polyurethane for premixed plaster	1107560		5 pcs kit deflectors Ø 16 in polyurethane for traditional plaster			
1107525		Material hose Ø 25 - 15 m with camlock coupling	1107532		Air hose Ø 13 - 16 m with quick couplings			
1107526		Material hose Ø 25 - 10 m with camlock coupling	1107531		Air hose Ø 13 - 10 m with quick couplings			
1107527		Material hose Ø 25 - 5 m with camlock coupling	1107530		Air hose Ø 13 - 5 m with quick couplings			
1107528		Material hose Ø 35 - 10 m with camlock coupling						
1107074		Material hose Ø 25 M35 / M25 L5 m with camlock coupling						
1107087		Cleaning kit for Ø 35 hoses Accessory for cleaning Ø 35 hoses with air or water	1107565		Camlock coupling adapter Ø 35 F - Ø 25 M			
1107103		Cleaning kit for Ø 25 hoses Accessory for cleaning Ø 25 hoses with air or water						
1107519		Kit 10 pcs sponge balls for cleaning Ø 25 hoses	1107520		Kit 10 pcs sponge balls for cleaning Ø 35 hoses			



KOINE 4 DUAL is a **NEW GENERATION** continuous cycle mixing pump, suitable for pumping/spraying dry premixed materials. Variable speed (6 speed steps). **SMART LINK TECHNOLOGY**: the machine configures itself automatically according to the available power supply (**single-phase or three-phase**) and to the available electric power **from 3 to 8 kW**. The **INVERTER** optimizes the management of the

motors and allows the management of electrical system faults and material blocks. **IoT INTERCONNECTION**, with standard **Bluetooth** and **IMERCONNECT** app for machine monitoring and data download. **INTEGRATED SELF-DIAGNOSTICS**, with 7-inch TFT display. Diagnostic data always available: consumption/hours of operation/absorption/status of the machine parts. **“3D - Printing” ready**.

- **SMART LINK: SELF-CONFIGURATION OF THE MACHINE ACCORDING TO THE AVAILABLE POWER SUPPLY (SINGLE-PHASE OR THREE-PHASE) AND TO THE AVAILABLE ELECTRIC POWER FROM 3 TO 8 KW**
- **IoT INTERCONNECTION FOR MACHINE MONITORING AND DATA DOWNLOAD BY BLUETOOTH AND IMERCONNECT APP**
- **INTEGRATED SELF-DIAGNOSTICS: SIMPLE AND INTUITIVE CONTROL PANEL WITH DIAGNOSTIC INFORMATION ALWAYS AVAILABLE FOR THE USER**
- **“3D - PRINTING” READY: MACHINE READY TO BE CONTROLLED BY EXTERNAL PROGRAMMABLE LOGIC CONTROLLER (PLC) FOR CONSTRUCTION 3D PRINTING (C3DP)**

Technical data

Power supply	-	400V three-phase 230V single-phase (16A - low power) 230V single-phase (32A - high power)
Max installed power	kW	7.45
Mixing motor power	kW	5.5
Feeding wheel gearmotor power	kW	0.75
Electropump motor power	kW	0.45
Membrane compressor	-	0.75 KW - 250 l/min
Material flow*	l/min	22
Pumping distance with Ø 25 mm hose*	m	25
Pumping distance with Ø 35 mm hose*	m	50
Pumping height*	m	30
Hopper capacity	l	110
Loading height	mm	900
Sound pressure level	dB (A)	< 80
Machine dimensions w/l/h	mm	728/1191/1475
Machine weight	kg	263
Packed machine dimensions w/l/h	mm	840/1200/1250
Packed machine weight	kg	355

* The values indicated are subject to variations based on the characteristics of the materials used, their consistency, the type of stator / rotor installed and the size of the hose used.

KOINE 3.1

Continuous cycle spraying and mixing pump

Koine 3.1 230V/50Hz Sph - 3.4 kW
1106307 **NEW**

Koine 3.1 Coat 230V/50Hz Sph - 4.9 kW
1106308 **NEW**



Safety sensor in case of removal of the grid from the hopper or in case of opening and overturning of the mixer motor.



- IM250 diaphragm compressor fitted as standard on Koine 3.1
- C400 piston compressor fitted as standard on Koine 3.1 Coat

In both versions the compressor is mounted on the machine and easily removable.

Description

The new Koine 3.1 is designed to be versatile and easy to use even by the less experienced operator thanks to the proven Easy Start system and interactive display. Koine 3.1 is equipped with safety protections that immediately stop the electric motors in case of removal of the hopper grid or opening of the mixing chamber.

Dry premixed materials (Dry mode)

- Mortars for gluing and smoothing thermal insulation panels
- Mortars for reinforced concrete / lime-based structural reinforcement
- Restoring / dehumidifying mortars for masonry walls
- Binders / mortars for consolidation injections
- Lime / cement / gypsum based plasters
- Lime / cement / gypsum based smoothing compounds
- Insulating plasters based on polystyrene or cork
- Cement / anhydride-based self-levelling substrates
- Mortars to protect structures from heat

Wet materials (Wet mode)

- Finishing coatings, mineral smoothing compounds with silicates or quartzite
- Waterproofing products, including fiber-reinforced ones
- Smoothing compounds for elastomeric / water-repellent finishes
- Cementitious mortars for reinforced structural reinforcement
- Binders / mortars for consolidation injections
- Mortars for tuckpointing / grouting

Koine 3.1 turns into a pump for ready-to-use smoothing products in paste, injection mortar and tuckpointing, simply by turning a switch on the control panel and adjusting the flow rate of material to your preference. In particular, the "Coat" version is equipped with a 400l/min piston compressor, optimized for the application of fiber-rich or highly viscous smoothing products.

Operation

Dry mode

The dry product contained in the bags is poured into the hopper, where an agitator shaft accompanies the material towards the mixing chamber. The water needed to obtain the mixture is injected into the mixing chamber by a stainless steel pump. The water flow is kept constant by a particular stabilization system and controlled by a valve that starts or stops the flow when necessary. The amount of water in the mixture can be viewed in the flow meter and can be adjusted according to needs through a micrometric valve.

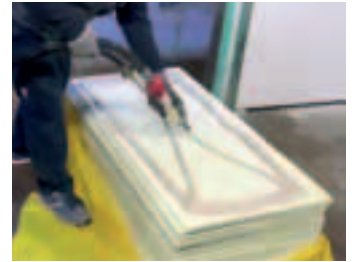
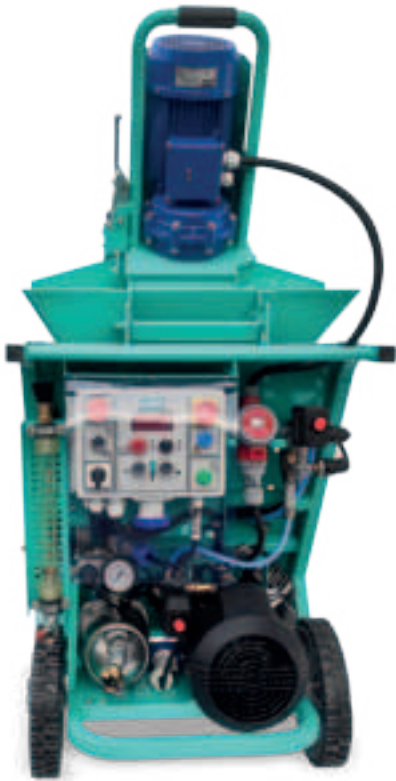
The material is mixed with water and immediately sucked by the eccentric screw pump, and then pushed into the hoses until it reaches the opposite end. The 6 adjustable pumping speeds allow to increase or decrease the power absorbed by the pump, adapting it to the electric power available in the electrical system.

Wet mode

The wet potted product can be poured directly into the Koine 3.1 hopper. If it is a dry product contained in the bags, to be mixed with water, it must first be mixed with a mixer in a container and then poured into the hopper to be pumped. The mixture contained in the hopper is sucked by the rotor-stator pumping system and pushed into the pipe until it reaches the opposite end of the pipe. The gradually variable speed allows you to adapt the flow rate of material to the application needs.

Different accessories for spraying products or devices for controlled pressure injections can be connected to the hoses.

The machine can also be used simply with an open hose for laying self-levelling or grouting products.



- 300 mm large wheels
- High efficiency hydraulic system, with generous size self-priming Calpeda electric pump, capable of 4.5 bar of pressure, with stainless steel cap.



Control panel with inverter and interactive display. Easy to use also for the less experienced operator. A series of visual and acoustic diagnostics warnings makes each operation more simple to perform: **H2O**, **BLOCC**, **STOP**, **ERR08**, etc.

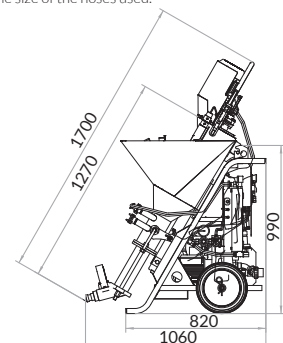
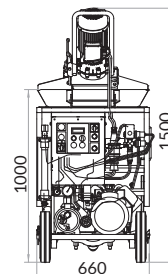
Standard Equipment

- Stator and Rotor D5-2.5 Monoflex (purple)
- Direct connection for hoses material DN35 F
- Material delivery pressure gauge
- Control panel with IMERA1 inverter
- Remote control ready
- 6 selectable speeds in Dry Mode
- Progressive pumping speed adjustment in Wet Mode
- Interactive display with alphanumeric codes
- IM250 diaphragm compressor on board the machine (Koine 3.1)
- Fini VKM 402 piston compressor on board the machine (Koine 3.1 Coat)
- Calpeda NGX2 self-priming stainless steel pump
- Water system with flow meter and anti-freeze drainage
- Easy start starting system
- 20 m electric cable with 16 A plug
- 20 m water hose Ø 19 mm
- 16 m air hose Ø 13 mm
- 15 m material hose Ø 25 mm
- Spray gun for premixed Ø 25 with deflectors (Koine 3.1)
- Spray gun for smoothing compounds with deflectors + Spray gun Ø 25 (Koine 3.1 Coat)

Technical data

		Koine 3.1	Koine 3.1 Coat
Power supply	-	230V/50Hz	230V/50Hz
Max installed power	kW	3.4	4.9
Mixer motor power	kW	2.2	2.2
Electric pump motor power	kW	0.45	0.45
Electric compressor	kW-l/min	0.75 - 250	2.2 - 400
Dry mode material flow rate*	l/min	7-17	7-17
Wet mode material flow rate*	l/min	2.3-17	2.3-17
Pumping distance served*	m	25	25
Height served*	m	15	15
Hopper volume	l	75	75
Loading height	mm	1000	1000
Sound pressure level	dB (A)	< 76	< 79
Dimensions w / l / h	mm	660x1060x1500	660x1060x1500
Complete machine weight	kg	159	162
Packing size w / l / h	kg	800/1600/1700	800/1600/1700
Weight of the packed machine	kg	230	235

(*) The values indicated are subject to variations based on the characteristics of the materials used and their consistency, type of stator / rotor installed and the size of the hoses used.



Setups for specific applications **KOINE 3.1**

A



Accessories for thermo-plaster, lightened screed and fireproofing materials.

1107030 Stator D8-1.5 MONO CLAMP

1107029 Rotor D8-1.5 with tab - Ocher

1107683 Light material mixer (> 990Kg / mc)

1107517 Turbo mixer

B




Accessories for thermo-plaster, lightened screed and fireproofing materials. Without turbine

1107030 Stator D8-1.5 MONO CLAMP

1107031 Rotor D8-1.5 MONO - Green

1107683 Light material mixer (> 990Kg / mc)

C



Accessories for pumping self-leveling underlyments

1107030 Stator D8-1.5 MONO

1107031 Rotor D8-1.5 MONO - Green

1108009 Remote control extension 15 m for A1 switch board

D



➔ Recommended preparation for mortars for tuckpointing / grouting

1107499 Conical tube gun for spacing

1108008 Remote control extension 16 m for A1 switch board

1107032 Stator D 4-1/2 CLAMP

1107033 Rotor D4-1 / 2 LEMON YELLOW

E



➔ Accessories for the application of:

- Adhesives for thermal insulating coatings
- Smoothing compounds for plaster
- Smoothing compounds for decorative finishing with silicates or quartzite
- Waterproofing
- Solvent-free paints
- Filling deep spaces on rocks
- Brick / stone tuckpointing

Smoothing and grouting kit

- Spray gun
- 1 set of deflectors Ø5-Ø6-Ø8-Ø12 mm
- 1 deflector with hose connection Ø16

1107010

- 10 + 5 m material hose Ø 25 with cam lock couplings
- 16 m air hose Ø 13 with Geka couplings
- 1 nozzle cleaner and 1 sponge Ø 30

F



➔ Accessories for consolidation injections with pressure control

1108005 Injection kit for A1 panel

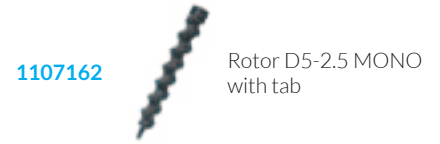
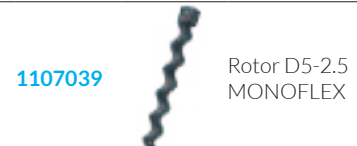
- Pressure control group with adjustable pressure switch 0.5-5 bar
- Small 50 gun with 1 house connections hose deflector Ø 16
- 10 m material hose Ø 25 with camlock coupling
- 5 m material hose Ø 25 with camlock coupling
- 1 nozzle cleaner and 1 sponge Ø 30

1108009 Remote control extension 15 m for A1 switch board

D5 - 2.5 Purple

- ➔ Recommended for:
- Lime / cement based plasters
 - Stucco
 - Structural plasters, even fiber-reinforced
 - Restorative plasters
 - Binders / mortars for injections
 - Structural reinforcement mortars
 - Fireproofing

Pressure (bar) 25
Maximum grain size (mm) 4
Flow (l / min) 17 at 300 rpm



D8 - 1.5 Green

- ➔ Recommended for:
- Grout / Core-fill Grout
 - Structural reinforcement mortars
 - Self-levelling cement-based screeds
 - Self-levelling anhydride-based screeds
 - Polystyrene based thermal insulating screeds
 - Insulating plasters based on polystyrene or cork
 - Fireproofing

Pressure (bar) 15
Maximum grain size (mm) 5
Flow (l / min) 26



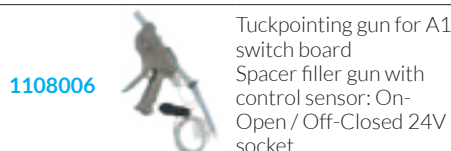
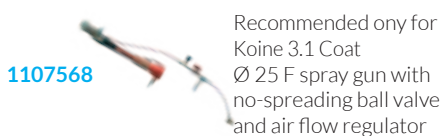
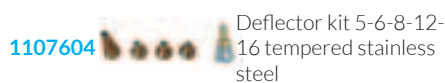
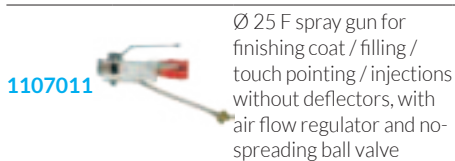
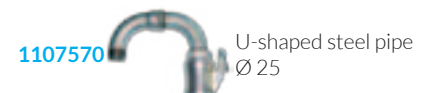
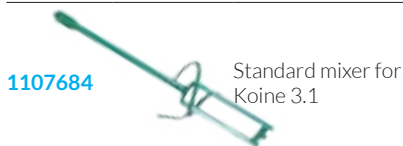
D4 - 1/2 Lemon Yellow

- ➔ Recommended for:
- Glues for coatings

Pressure (bar) 25
Maximum grain size (mm) 3
Flow rate (l / min) 9



Accessories for customized setups **KOINE 3.1**



Accessories for customized setups **KOINE 3.1**

1107551

10 pcs kit deflectors Ø 10 (Duse) in polyurethane for premixed plaster

1107557

5 pcs kit deflectors Ø 10 in polyurethane for traditional plaster

1107552

10 pcs kit deflectors Ø 12 (Duse) in polyurethane for premixed plaster

1107558

5 pcs kit deflectors Ø 12 in polyurethane for traditional plaster

1107553

10 pcs kit deflectors Ø 14 (Duse) in polyurethane for premixed plaster

1107559

5 pcs kit deflectors Ø 14 in polyurethane for traditional plaster

1107554

10 pcs kit deflectors Ø 16 (Duse) in polyurethane for premixed plaster

1107560

5 pcs kit deflectors Ø 16 in polyurethane for traditional plaster

1107690



C400 piston compressor
230 / 50Hz 2.2 kW

➔ Recommended for:

- Adhesives for thermal insulating coatings
- Smoothing compounds for plaster
- Smoothing compounds for decorative finishing with silicates or quartz
- Waterproofing also fiber-reinforced
- Solvent-free paints

1108007



Pressure control unit with adjustable pressure switch 0.2-5 bar for A1 switch board

1107691



IM250 diaphragm compressor
230V / 50Hz 0.75kW

➔ Recommended for:

- Mortars for structural reinforcement, cement / lime base
- Restoring / dehumidifying mortars for masonry walls
- Lime / cement / gypsum based plasters
- Insulating plasters based on polystyrene or cork
- Mortars to protect structures from heat

1108008



Remote control 16 m for A1 switch board

1108009



Remote control extension 15 m for A1 switch board

1107525

Material hose Ø 25 - 15 m with camlock coupling

1107532

Air hose Ø 13 - 16 m with quick couplings

1107526

Material hose Ø 25 - 10 m with camlock coupling

1107527

Material hose Ø 25 - 5 m with camlock coupling

1107531



Air hose Ø 13 - 10 m with quick couplings

1107528

Material hose Ø 35 - 10 m with camlock coupling

1107074

Material hose Ø 25 M35 / M25 L5 m with camlock coupling

1107530

Air hose Ø 13 - 5 m with quick couplings

1107087



Cleaning kit for Ø 35 hoses
Accessory for cleaning Ø 35 hoses with air or water

1107565



Camlock coupling adapter
Ø 35 F - Ø 25 M

1107103

Cleaning kit for Ø 25 hoses
Accessory for cleaning Ø 25 hoses with air or water

1107519



Kit 10 pcs sponge balls for cleaning Ø 25 hoses

1107520



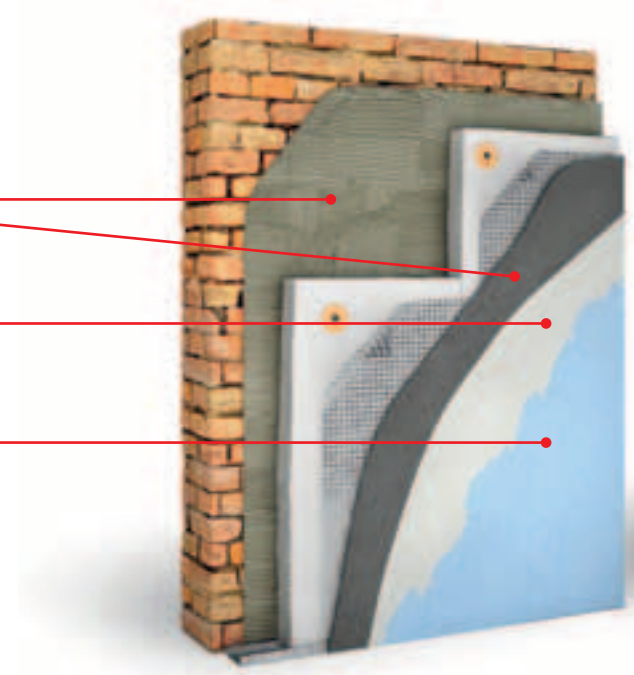
Kit 10 pcs sponge balls for cleaning Ø 35 hoses

THERMAL INSULATION COATINGS

Ready-to-use base skim coat in pot to be poured into the hopper.

Premixed skim coat in bag mixed directly in the machine.

Potted siloxane or quartz finish coating to be poured into the hopper.

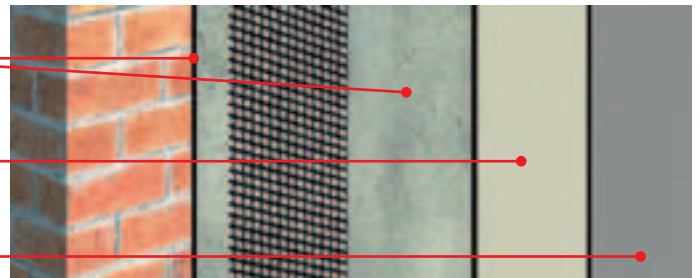


STRUCTURAL REINFORCEMENTS IN THICKNESS OR LOW THICKNESS

Premixed skim coat in bag mixed directly in the machine or premixed two-component products poured into the hopper.

Ready-to-use base skim coat in pot to be poured directly into the hopper.

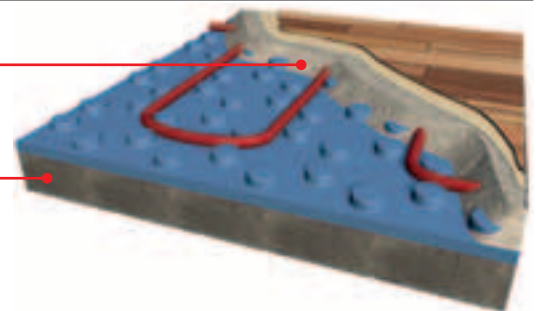
Siloxane or quartz finish coating contained in pot to be poured into the hopper.



SELF-LEVELLING UNDERLAYMENTS ALSO FOR HEATED FLOORS

Premixed self-levelling underlay in bag mixed directly in the machine

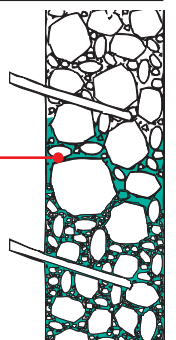
Pre-mixed polystyrene-based thermal insulating substrate mixed directly in the machine



CONSOLIDATION INJECTIONS

Pre-mixed slurry or micro grouts poured into the hopper (recommended system for wall consolidation injections).

Grout or micro grout mixed directly in the hopper (recommended system for anchoring or in any case where the quantities of injected product are significant).



STORM PLUS

Pneumatic conveying system for dry premixed mortars

Storm Plus 400V/50Hz Tph - 7.5 kW
1106300



Conveyor with pneumatic valve



42V level probe



Forklift guides.
Single lifting hook.
Large-sized wheels (385 mm).



Folding handles
for easy handling.

Description

Long distance pneumatic conveying system for dry premixed mortars. Suitable for pumping dry materials:

- Masonry mortars
- Lime and cement based plasters
- Gypsum based plasters
- Self-levelling screeds based on cement and anhydride (small quantities)
- Powder additives (generic use)

Ideal for transporting materials from the storage silo to the continuous cycle mixing pump, without dust emissions into the environment. It allows to keep the work area clean, without dispersion of materials. Unlike other similar products, it does not require operator supervision during work. It can only be used for 2 bar pressurized silos. Powerful and fully automatic, it is equipped with a self-diagnostic system and maintenance is minimized.

Storm Plus allows to reach high heights and distances and is equipped with the most advanced control systems during the pumping process.

It is able to independently monitor and manage:

- Selection of the direction of rotation at the first start
- Self-diagnostics with signaling of any anomalies of use
- Constant monitoring and automatic pressurization of the silo
- Constant monitoring of the material thrust pressure, to avoid blockages in the hoses
- Automatic monitoring of the emptying time of the hoses at the end of the loading
- Automatic system for emptying the hoses in the event of an electrical blackout

The revolutionary ICDLR 120 oil-free clog compressor is capable of generating large quantities of air without the use of lubricating oils. Unlike normal compressors, periodic maintenance is limited to cleaning the air intake filter only.

Operation

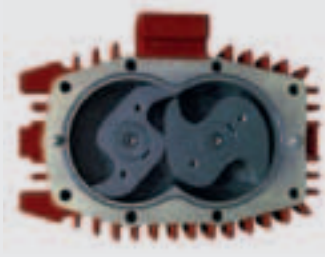
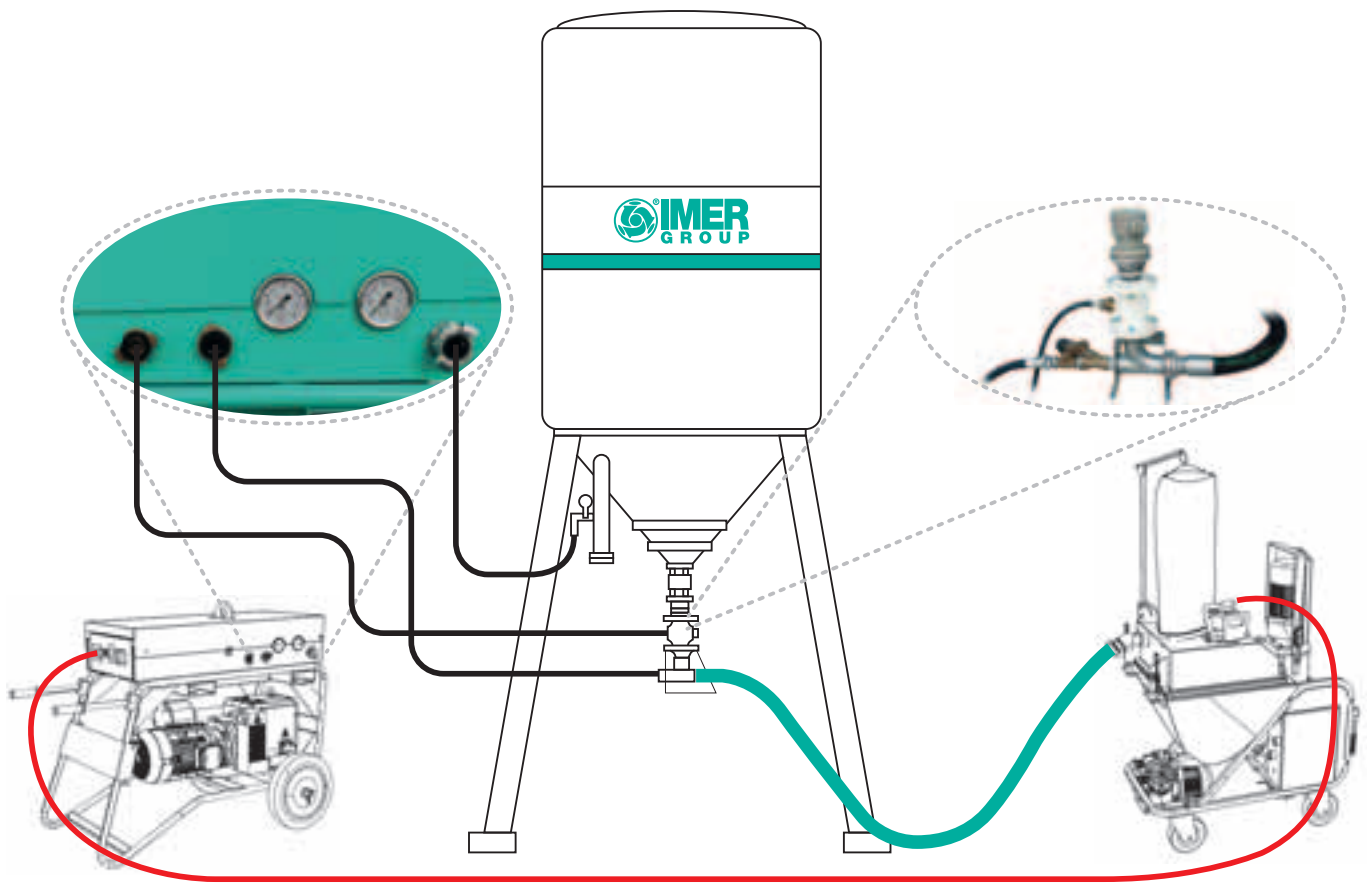
The conveyor complete with material opening and closing valve, connected to the Storm Plus via two hoses for compressed air, must be installed at the base of the silo. A third hose connects the Storm Plus to the silo for pressurization.

The blower hood complete with filter and level probe must be installed in the continuous cycle pump or mixer. The hoses equipped with quick couplings necessary for the transport of the material is connected by the conveyor under the silo to the blower hood installed on the pump / mixer. The level probe is connected to the Storm Plus through the electrical cable complete with plugs.

The sealed silo, where the premixed is contained, is pressurized up to about 1.8 bar. When the pump / mixer hopper is empty, the probe starts the compressor and opens the pneumatic valve, starting the transport of material. When the pump / mixer hopper is full, the probe closes the pneumatic valve, interrupting the material flow. After waiting for the hoses to be completely empty of material, it switches off the compressor and waits for the next load.

Storm Plus automatically monitors and restores the silo's internal pressure. To avoid clogging of the hoses, the air flow during the pump / mixer loading must always remain constant until the hoses are completely emptied. In the event of an electrical blackout during loading, the air flow would stop when the hoses are full of material. Storm Plus is equipped with an automatic emptying device for the hoses by recovering the air contained in the silo, which safely avoids the inconvenience.

At the end of the work it does not require cleaning. It will be sufficient to close the main valve of the silo and turn off the main switch in the control panel.



Oil-free clow compressor.
Maintenance reduced to the
cleaning of the air filter.



Fully automatic compressed air system:

- Air tank for pneumatic valve certified (CE)
- Automatic check and reset of silo pressure
- Continuous anti-clogging system
- Anti-clogging system in case of electrical blackout

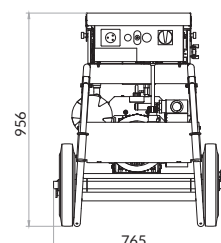
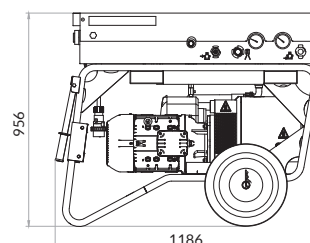
Standard Equipment

Essential and ergonomic control panel
Self-diagnostics with automatic phase selector
Automatic emptying system of the pipes in case of electrical blackout
Automatic anti-clogging system
Automatic control and pressurization of the silo
Clow compressor ICDLR 120
Level probe IPFG86 / 42T1
Conveying group complete with pneumatic valve Ø50 (2")
Cable for level probe 3X1 42V L50M with plugs
Electrical power cable H07RN-F4X4 + plugs 380V 32A L40m
Multitex NW45 hose in PU-PVC spiral Ø45 L 50m (4 x L12.5 m) with Storz connections
Tightening wrenches for Storz connections
Material conveyor with pneumatic valve
Sturdy frame with cover for pneumatic and electrical parts
Large-sized wheels 385 mm for easy movement
Handles for handling
Central lifting hook
Lifting guides for forklift
Air hoses connected for machine / conveyor / silo connection (3 units)

Technical data

Power supply	-	400V/50Hz
Max installed power	kW	7.5
Control voltage	V	42
	kW	7.5
Clow compressor ICDLR 120	A	13.9
	Nm ³ /h	120
Max working pressure	bar	2
Control pressure	bar	3.5
Material flow rate*	m ³ /h	1.2
Pumping distance*	m	150
Pumping height*	m	60
Sound pressure level	dB (A)	< 80
Dimensions w / l / h	mm	765/1186/956
Machine weight	kg	265
Packed machine dimensions w / l / h	mm	800/1200/1700
Packed machine weight	kg	340

(*) The values indicated are subject to variations based on the characteristics of the materials used, their density and grain size.



Accessories for customized setups **STORM PLUS**

1107500



Blower hood for Koine 4 and Koine 35
Complete with filter.
(Level probe not included)

1107490



Blower hood with double filter, oversized
for hopper extension (+250 l), for Koine 4
(Level probe not included)

1107615



Single filter blower hood for Spin 30 Plus
(Level probe not included)

1107538



Storz Free Flow rubber hose 16 bar
Ø 50 L 20 m

1107524



Multirex NW45 hose in PU-PVC spiraled
L12.5 m Ø45 with Storz Free Flow
connections

1107614



Storz Free Flow rubber hose 16 bar
swivel fitting Ø50 L 20 m

1107523



Cable for level probe 3X1 42V L 50 m
with plugs





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