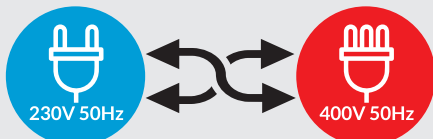


KOINE DUAL

Single-phase/three-phase continuous cycle spraying and mixing pump

Koine Dual 230V Sph / 400V Tph 50Hz - 7.45 kW
1106310



Newly developed Smart Link Technology three-phase inverter capable of configuring itself automatically according to the available power supply (single-phase or three-phase) and to the available electric power from 3 to 8 kW.

Description

Single-phase/three-phase continuous cycle mixing pump with variable speed, suitable for pumping or spraying all dry premixed materials:

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

The 8-level speed adjustment, even when powered in three-phase, makes it possible to use the Koine Dual for the application of skim coats for insulation coatings and for injecting grout even when the quantity of injectable material is reduced.

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.

Koine Dual can be easily disassembled for easy transport.



Control panel equipped with 5" TFT display, event diagnostic reporting, continuous monitoring of the absorbed current and the electrical supply voltage. Intuitive and ergonomic mechanical/inductive controls.

Operation

Connect the machine to the available electrical network. The machine will automatically adapt its maximum speed to the available power. The product contained in the bags, or coming from the silo, is poured into the hopper, where a feeding wheel will fill the mixing chamber in a continuous and constant way. The water needed to obtain the mix 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 which 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 need using a micrometric valve.

The material is mixed with water and immediately sucked by the eccentric screw pump, to then be pushed into the hoses until it reaches the end of the spray gun. From here, with the help of the air supplied by the standard on board 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 spreading water and material 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.

Koine Dual is equipped with status diagnostics, which ensures electrical protection in any case of system overload or use anomaly, indicating the complete status of the machine on the 5" TFT display:

- Supply voltage and power
- Working voltage
- Current consumption
- Work hours
- Type of anomaly
- Type of stator used

The parameters displayed directly can be modified according to your preferences using the inductive buttons that allow access to the setup menus.



Cooling air flow diverter of the mixer motor, to avoid the spread of dust in the work environment during bag loading.



New feeding wheel design with larger cells to improve the collection of fiber materials.



Diaphragm compressor fixed on the machine.



Cast iron material delivery manifold with pressure gauge.
Direct connection for Ø35 F hose.
It allows to extend the hoses up to 50 m, reducing wear to the stator-rotor group to a minimum.
The reduction to apply the Ø 25 hose is included in the standard equipment.



New placement of the water pump and hydraulic components designed to improve water drainage in winter.
Self-priming electric pump of generous dimensions, capable of 4.5 bar of pressure.
No blocking due to oxidation, thanks to the stainless steel cap and brass impeller.

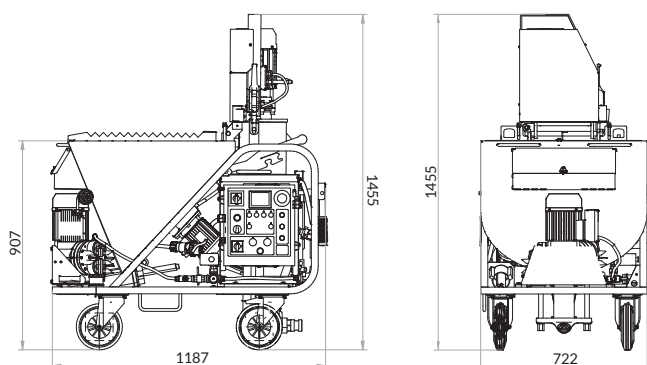
Standard Equipment

Electric panel with three-phase K1 self-setting inverter with 8 selectable speeds
Stator and Rotor D5-2.5 Purple
Feeding wheel gearmotor
IM 250 diaphragm compressor (single-phase 230V 250l/min)
INGX2 stainless steel self-priming electric pump (single-phase 230V)
Water system with flow meter and ANTIFREEZE discharge
20 m electrical cable 4x5mm with 3P + N + T Red socket and plug
Adapter from 400V 32A Three-phase Red to 230V 16A Single-phase Blue
Adapter from 400V 32A Three-phase Red to 230V 32A Single-phase Blue
40 m water hose
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	Top power Tri Hi power Single Standard Power Single	400V Three-phase 32A 230V Single-phase 32A 230V Single-phase 16A
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
Diaphragm 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	140
Loading height	mm	907
Sound pressure level	dB (A)	< 80
Machine dimensions w / l / h	mm	722/1187/1455
Machine weight	kg	263
Packed machine dimensions w / l / h	mm	840/1200/1250
Packed machine weight	kg	355

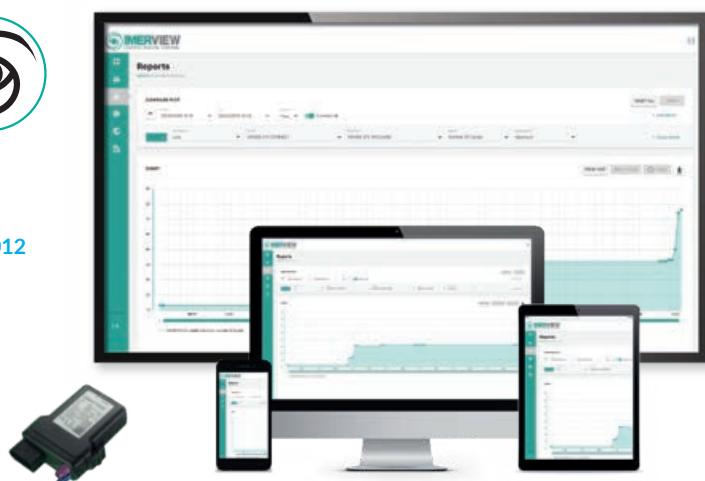
(*) The values indicated are subject to variations based on the characteristics of the materials used, their consistency, the type of stator / rotor installed and the size of the hose used.



Setups for specific applications **KOINE DUAL**



1107012



KIT IMERVIEW KOINE DUAL Connect 4.0

- GPS-GSM electronic control unit, GPS antenna integrated
- Web Dashboard access and Cloud storage
- 5 years of data traffic included
- Pre-delivery installation included.
- ➔ Recommended for remote control:
 - Direct connection to Imer Service
 - Management cost analysis
 - Machine problems' diagnosis remotely
 - Geo fencing with immediate alert "machine outside perimeter"
 - GPS position and movement tracking
 - Daily hours of work
 - Scheduled maintenance notification

A	Koine Dual
➔ Cement / anhydride based self-levelling screeds. Flow rate 26 l/min at 300 rpm and 38 l/min at 400 rpm.	
1107028	Stator D 8-1.5 – CLAMP Ocher yellow
1107031	Rotor D 8-1.5 MONO CLAMP – GREEN
1107597	Mixer for self-levelling screeds
1108008	Wired remote control 16 m

B	Koine Dual
➔ Accessories for thermal plaster, lightened screeds and fireproofing mortars	
1107028	Stator D 8-1.5 – CLAMP Ocher yellow
1107029	Rotor D 8-1.5 with pin – Ocher yellow
1107541	Mixer for lightened materials
1107517	Turbo mixer

C	Koine Dual
➔ Accessories for thermal plaster, cork / polystyrene based lightened screeds and fireproofing mortars. Without turbo mixer	
1107028	Stator D 8-1.5 – CLAMP Ocher yellow
1107031	Rotor D 8-1.5 MONO CLAMP – GREEN
1107541	Mixer for lightened materials

D	Koine Dual
➔ It works only in Three-phase and with DN35 pipes. Cement / anhydride based self-levelling screeds. Flow rate 60 l/min at 400 rpm	
1106325	Turbo mixer for stators "R" series
1108019	Adapter flange for stators "R" series
1107624	Stator R 7-1.5 mustard
1107664	Rotor R7-1.5 with pin
1108008	Wired remote control 16 m
1107528	Material hose Ø 35 - 10 m

E	Koine Dual
➔ Recommended setup for: • Binders / mortars for consolidation injections at controlled pressure	
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	
1108005	
1108008	Wired remote control 16 m

F	Koine Dual
➔ Spraying of structural or finishing smoothers with thickness up to 3 mm. For some particular products it is possible to optimize finishing with the C400 piston compressor, based on your own preferences.	
1107011	Spray gun for finishing coat / filling / injections without deflectors
1107604	Deflector kit 5-6-8-12-16 steel hardened stainless steel
1107032	Stator D 4-1/2 CLAMP
1107033	Rotor D 4-1/2
1107610	Piston compressor C400 230V/50Hz 2.2 kW

Accessories for customized setups

Stators and rotors Series “D”

Compatible with:

KOINE DUAL in **TOP POWER TRI** and **HI POWER MONO** modes
KOINE 4 EVO

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

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

Accessories for customized setups

Stators and rotors Series "D"

Compatible with:

KOINE DUAL in STANDARD POWER **MONO** mode

KOINE 35 EVO

D5-2.5 Purple

➡ Recommended for:

- Gypsum / 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

1107038



Stator D5-2.5 MONO

1107039



Rotor D5-2.5
MONOFLEX

1107084



Stator D5-2.5
MONO CLAMP

1107085



Rotor D5-2.5 MONO

1107162



Rotor D5-2.5 MONO
with tab

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

1107030



Stator D8-1.5
MONO CLAMP

1107031



Rotor D8-1.5 MONO

1107029



Rotor D8-1.5
with tab - Ocher

D4-1/2 Lemon Yellow

➡ Recommended for:

- Glues for coatings

Pressure (bar) 25

Maximum grain size (mm) 3

Flow rate (l / min) 9

1107032



Stator D4-1/2 CLAMP

1107033



Rotor D4-1/2

Stators and rotors Series "R"

Compatible with:

KOINE DUAL in TOP POWER **TRI** and HI POWER **MONO** modes

KOINE 4 EVO

KOINE 4 EVO Hi Flow

R7-1.5 Mustard

➡ Recommended for:

- Self-levelling cement-based screeds
- Self-levelling anhydride-based screeds
- Binders / mortars for injections
- Structural reinforcement mortars
- Grout / Core-fill Grout

Pressure (bar) 15

Maximum grain size (mm) 5

Flow rate (l / min) 60

1107624



Stator R7 - 1.5

1107664



Rotor R7-1.5 with tab

R7-2.5 Brown

➡ Recommended for:

- Self-levelling cement-based screeds
- Binders / mortars for injections
- Structural reinforcement mortars
- Grout / Core-fill Grout
- Fireproofing

Pressure (bar) 25

Maximum grain size (mm) 7

Flow rate (l / min) 40 at 400 rpm

1107668



Stator R7 - 2.5

1107667



Rotor R7 - 2.5 with tab

Accessories for customized setups

Stators and rotors Series "R"

Compatible with:

KOINE 4 EVO Hi Flow

R8-1.5 Black

➔ Recommended for:

- Self-levelling cement-based screeds
- Self-levelling anhydride-based screeds
- Structural reinforcement mortars
- Grout / Core-Filling Grout
- Cork / polystyrene based insulating screeds

Pressure (bar) 15

Maximum grain size (mm) 5

Flow rate (l / min) 80

1107622



Stator R8 - 1.5

1107623



Rotor R8-1.5 with tab

Accessories for customized setups

KOINE 35 G EVO

Exclusive accessories for customizing Koine 35 G EVO 230V / 60Hz Sph Code 1106315 - Spray applications

1107637



Compressor IM250
230V / 60Hz Sph

1107217



Premixed spray kit

Accessories for customized setups

KOINE DUAL KOINE 4 EVO KOINE 4 EVO Hi-Flow KOINE 35 EVO

1107542



Standard mixer

1107597



Mixer for self-levelling
floor screeds

1107541



Mixer for lightened
materials

1108019



Adapter flange for
stators "R" series
273x115 mm

1106325



Turbo mixer for stators
"R" series 273x115 mm
(only Koine three-phase)

1107517



Turbo mixer for "D"
series stators.
Diameter 90 mm

1107540



Spray gun for traditional
/premixed plaster with
Ø 14 duse

1107549



Spray gun Ø 25 F, 1.43
m long for fireproofing
and premixed plaster

1107570



U-shaped steel pipe
Ø 25

1107011



Spray gun for finishing coat / without
deflectors. Spraying of glues for
thermal insulation coatings.

1107604



Deflector kit 5-6-8-12-16 tempered
stainless steel

1108008



Remote control 16 m
for A1 switch board
(only Koine Dual)

1108009



Remote control
extension 15 m for A1
switch board
(only Koine Dual)

1108007



Pressure control
unit with adjustable
pressure switch 0.2-5
bar for A1 switch board
(only Koine Dual)

Accessories for customized setups

KOINE DUAL KOINE 4 EVO KOINE 4 EVO Hi-Flow KOINE 35 EVO

1107610



Piston compressor C400 230V/50Hz 2.2 kW

➔ Recommended for:

- Spraying of products with section fibers with significant length and thickness
- Glues for thermal insulating coverings
- Smoothers for plaster
- Waterproofing, including fiber-reinforced ones (only Koine Dual)

1107500



Single filter blower hood for Koine 4/35/Dual (level sensor not included)

1108020



I-DUST grate for Koine 4/35/Dual/EVO

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



1107528

Material hose Ø 35 - 10 m with camlock coupling

1107530

Air hose Ø 13 - 5 m with quick couplings

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