



ORUSELF 500

AUTONOMOUS SELF SERVICE PLANT
FOR THE SALE OF DRY AND SEMI-DRY CONCRETE





AUTOMATIC CONCRETE DISPENSER

AUTONOMOUS SELF-SERVICE PLANT
FOR THE PRODUCTION AND SALE OF DRY
AND SEMI-DRY CONCRETE

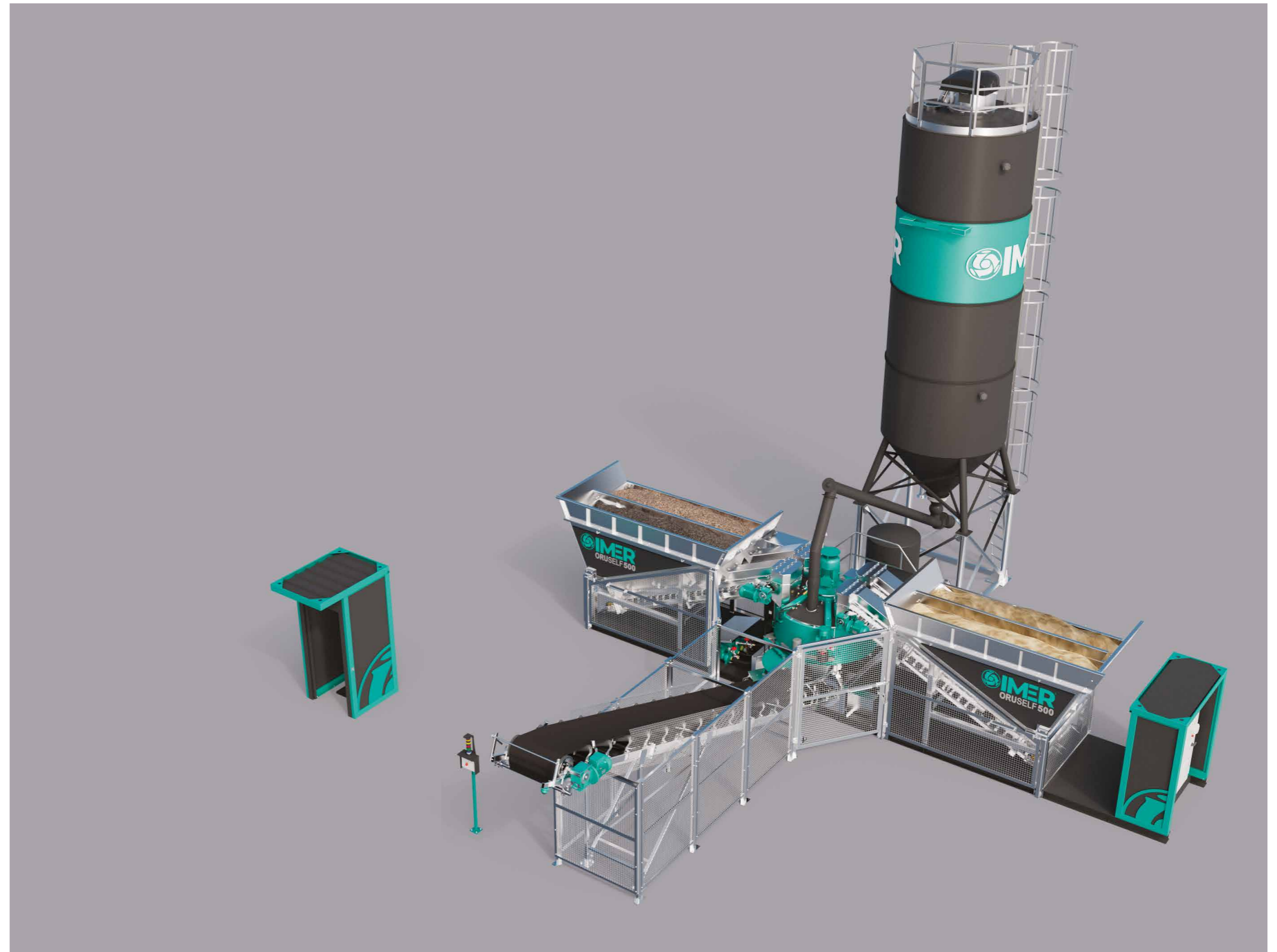
ORUSELF 500



- COMPACT AND VERSATILE
- TOP-QUALITY CONCRETE
- SPACE-SAVING INSTALLATION
- FULLY AUTONOMOUS OPERATION
- SELF SERVICE

ORU SELF 500

A fully autonomous plant for producing dry and semi-dry concrete for small building projects featuring an advanced self-service interface. The simple, intuitive interface allows the configuration of recipes by the operator and simple selection and purchase by the user. The management software and IMER's hallmark mixing quality make this machine a reliable, top-quality product.



KEY FEATURES

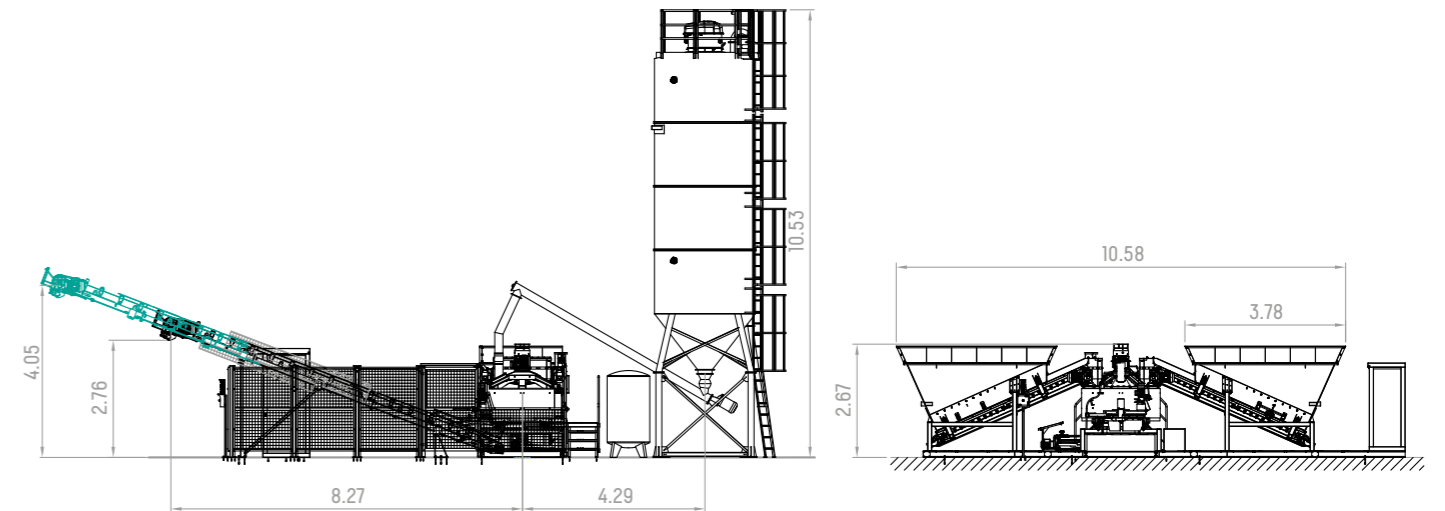
- MIXING UNIT WITH PLANETARY MIXER: PERFECT MIXING AND EXCELLENT CLEANING
- PRE-ASSEMBLED AND PRE-WIRED
- FULLY GALVANISED
- EXTREME MOBILITY AND TRANSPORTABILITY
- SIMPLE AND INTUITIVE USER INTERFACE AND USE



The interactive kiosk makes the self-service management of production, payments and tax-related documentation simple, intuitive and ultra-fast. The minimum delivery of 100 litres makes the plant suitable for small uses of concrete, thus avoiding waste and unnecessary costs.

LAYOUT

ORUSELF 500



EASY TO TRANSPORT AND ASSEMBLE



BY LAND
3 ARTICULATED TRUCKS (13.60M)

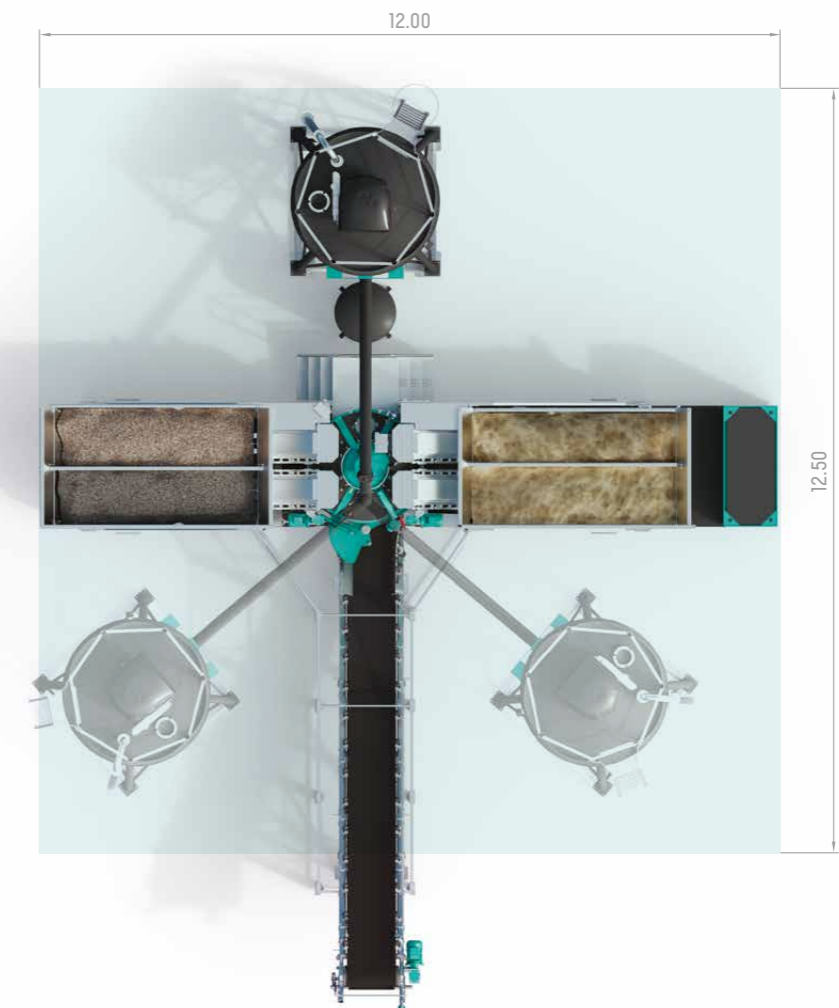


BY SEA
1X40' OT + 1X40' OT
H=2500 + 1 FLAT RACK

*transportation of complete plant

TECHNICAL FEATURES

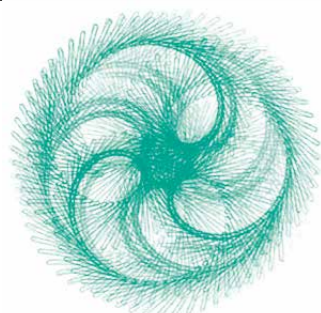
		ORUSELF 500
Production per cycle of concrete	l	from 100 to 500
Autonomous production of concrete	m ³	up to 15
Sand storage capacity 2 tanks with vibrators	m ³	2x3,5
Gravel storage capacity 2	m ³	2x3,5
Cement silo	ton	40-50-60
Aggregate belts	m	3.9x0.50
Planetary mixer	mod	ORU MS 750/500
Concrete belt	m	8.3x0.80
Power absorption	kW	25.5
Installation area required	m ²	150
Aggregate loading height	mm	2200 and 2400
Height of unloading point for skips and trailers	mm	3000
Height of unloading point for concrete mixer trucks	mm	4050



PLANETARY PAN MIXER ORU MS 750/500



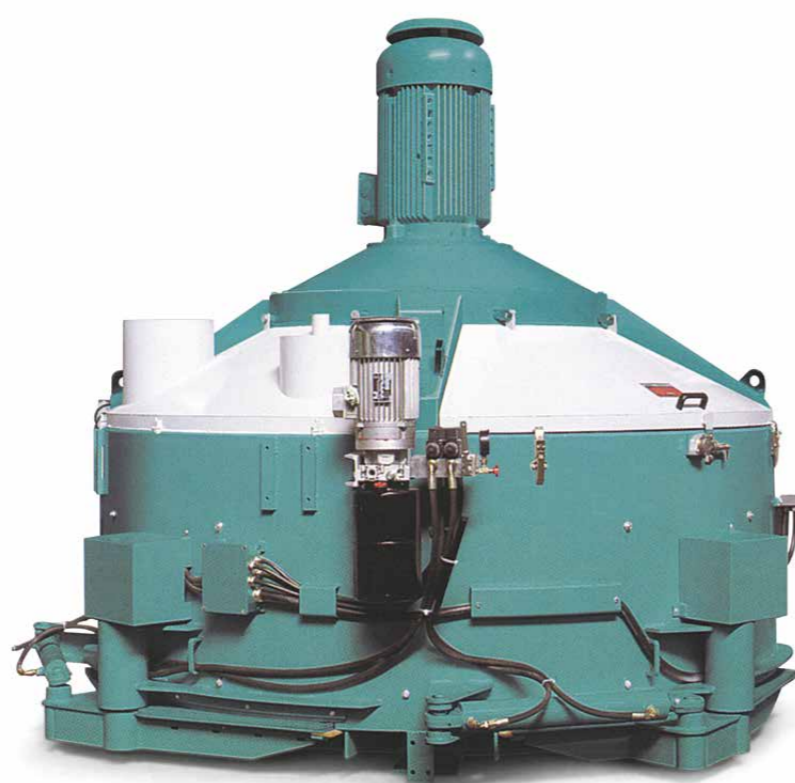
Reversible mixer blades



Planetary mixing forced regime



Oil bath planetary gear motor with hydro-dynamic joint

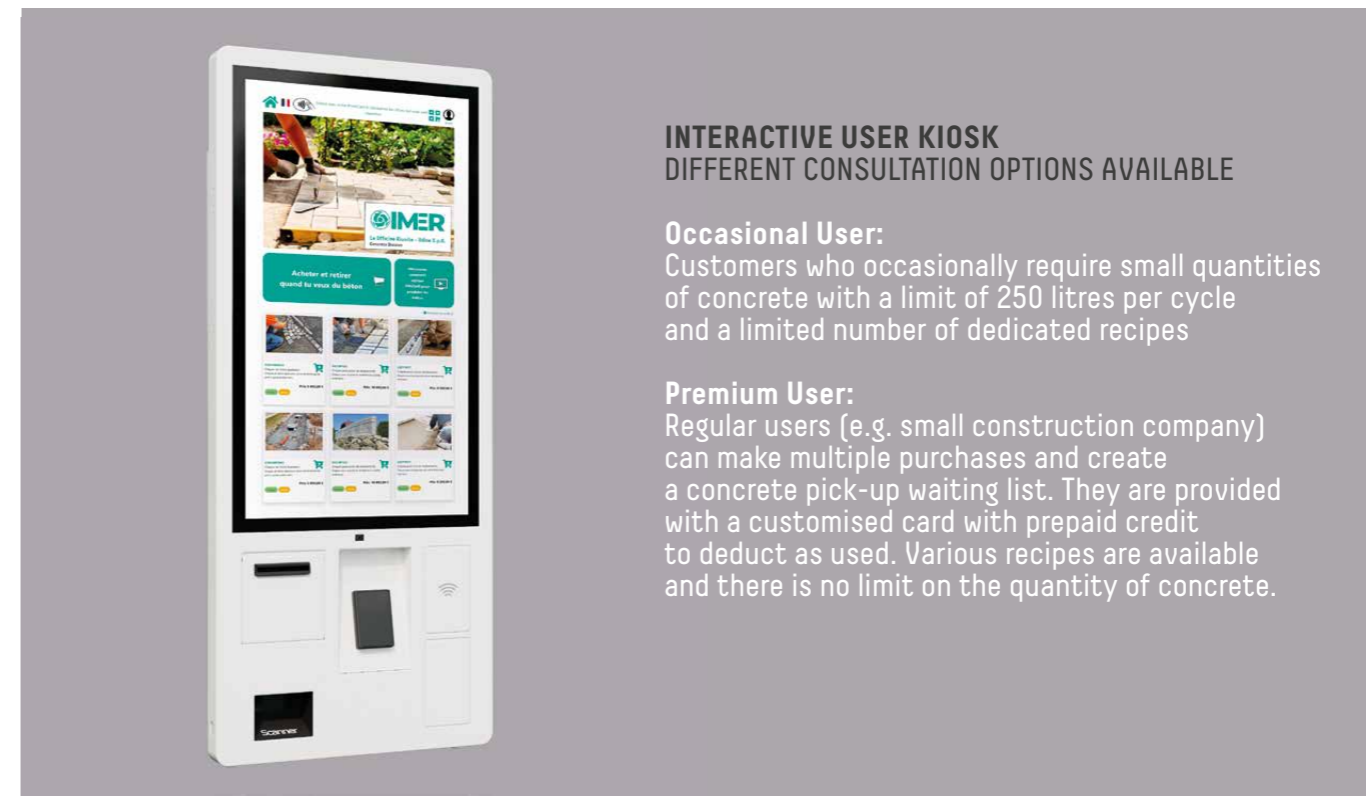


MIXERS TECHNICAL DATA

Load capacity	l	750
Load capacity	Kg	1200
Soft yield	l	725
Vibrated yield	l	500
Mixing and discharge time	sec.	40
Stars and blades	n.	1x3
Scraper blades	n.	1
Differential case	r.p.m.	16
Star	r.p.m.	46
Mixing power	kW	18.5
Oil hydraulic unit power	KW	2.2
Weight	Kg	2000

FEATURES

- **HARDOX 400 BASE LINING**
- **S355J0 INNER LINING**
- **CAST IRON MIXING PADDLES**
- **INVERTER-ENCODER MAXIMUM SAFETY SYSTEM**



INTERACTIVE USER KIOSK DIFFERENT CONSULTATION OPTIONS AVAILABLE

Occasional User:
Customers who occasionally require small quantities of concrete with a limit of 250 litres per cycle and a limited number of dedicated recipes

Premium User:
Regular users (e.g. small construction company) can make multiple purchases and create a concrete pick-up waiting list. They are provided with a customised card with prepaid credit to deduct as used. Various recipes are available and there is no limit on the quantity of concrete.

PLUG & PLAY SYSTEM



- **FULLY PRE-WIRED**
All the pre-assembled modules feature quick-fit connections
- **QUICK CONNECTIONS**
Simple and intuitive connection system
- **NO INTERVENTION ON SITE**
The plug&play system avoids the need for any wiring on the work site

EMERGENCY SIGNAL TOWER AND BEACONS



RED:
active alarm

GREEN:
production cycle in progress

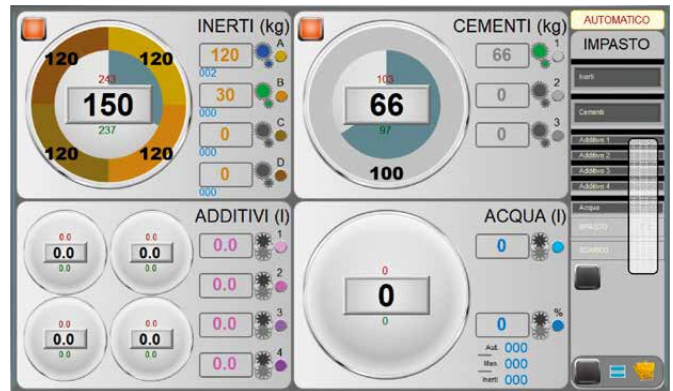
BLUE:
machine ready for automatic cycle start

ORANGE:
safety circuits active and no emergencies

EPS 2100-BEW MANAGEMENT AND CONTROL SYSTEMS

EPS 2100-BEW

- **Automation by PLC**
- IMER management **software**
- **Keyboard with display** for setting recipes and process parameters, for viewing consumption and storing production data
- **Direct management** of production without totems



RIT. START DOSAGGI			
Acqua 2	<input type="checkbox"/>	Additivo 1	<input type="text" value="0"/> s
Inerti	<input type="text" value="0"/> s	Additivo 2	<input type="text" value="0"/> s
Cementi	<input type="text" value="5"/> s	Additivo 3	<input type="text" value="0"/> s
Acqua	<input type="text" value="5"/> s	Additivo 4	<input type="text" value="0"/> s
Vib. bilancia		IMPASTO	<input type="text" value="10"/> s
		Stop nastro	<input type="text" value="27"/> s
Lavoro	<input type="text" value="0.2"/> s	Vuotamento	<input type="text" value="10"/> s
Pausa	<input type="text" value="0.2"/> s	Stop mixer	<input type="text" value="78"/> s
Start	<input type="text" value="0.5"/> s	Vuota RART	<input type="text" value="8"/> s

