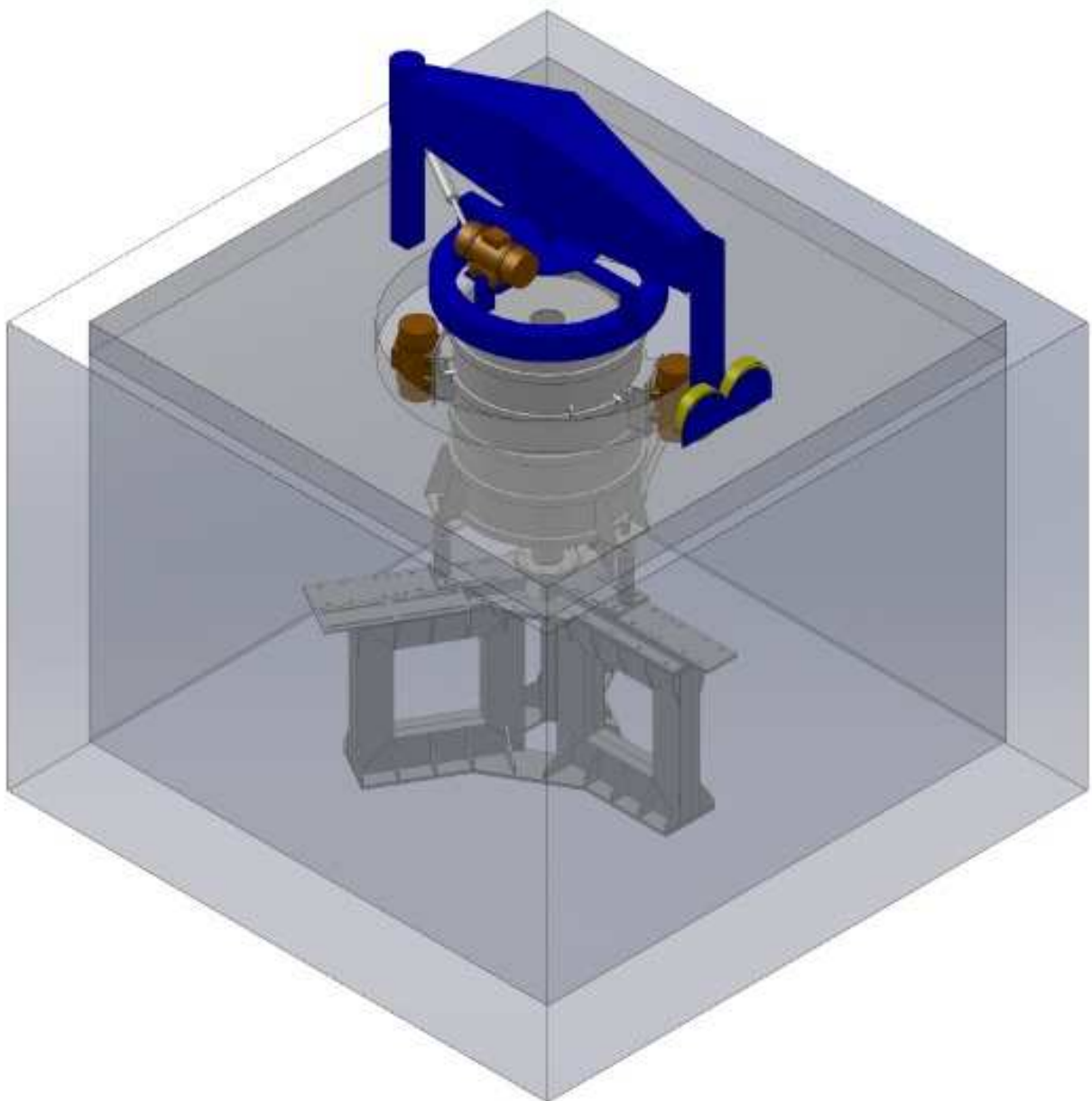


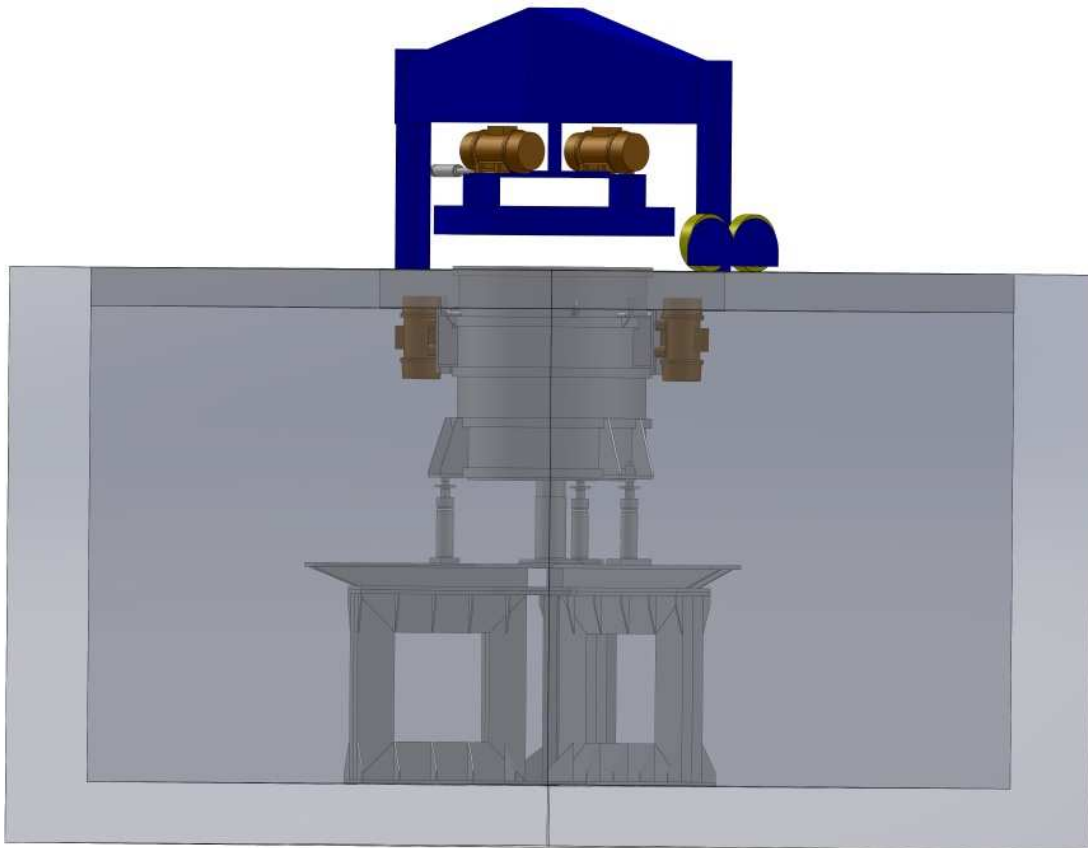
PROMETAL S.R.
Milosava Vlajića 49
11450 Sopot
Tel. +381.11.8251.625
8251.071

web site: www.prometalmachines.com
email: office@prometalmachines.com

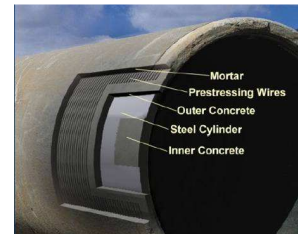
TECHNICAL DESCRIPTION OF CONCRETE PIPE MAKING MACHINE



CONCRETE PIPE MAKING MACHINE



With this machine You can produce various dimensions of concrete pipes



Machine type: concrete pipe making machine

Product	Mould dimensions	Mould height	Number products/ mould	Production capacity per hour
Concrete pipe	200 mm	1000 mm	1	12-15 units
Concrete pipe	1200 mm	1000 mm	1	5-7 units

- Exact output capacity depend on factors like concrete mix, humidity, wall thickness of blocks etc., usually this capacity is reduced to 85% of maximum capacity

Machine tech data

Product height:	1000 mm
Installed electrical power:	27 kW
Main concrete hopper capacity:	1500 l
Machine weight	2850 kg

Transport of finished products:

Transport of finished products is done by mechanical cart equipped with hydraulic cylinder for easy loading.

**Filling system base concrete:**

The base filling system consists of 1500l hopper with flap and V-belt conveyor. (Option) Hydraulically powered hopper flap that is filling the conveyor belt with concrete. Conveyor is driven by electric motor with gear motor.



Filling system consists of electric controls board with emergency switch.



Vibration system vibrator with self synchronized vibrators

Vibration system is designed by specialized company for vibration systems!

Consists of 4 vibrators specially designed for concrete pipe making machine, self synchronized and driven by frequency inverter.

The vibrators are mounted on a base plate, which is attached to the machine frame and isolated by rubber buffers and frequency controlled. Different frequencies can be used for pre and main vibration. In-between vibrations the motors can be programmed to run on a low preset frequency. Max. frequency is 65 Hz.



Hydraulic equipment and electric control:

Separately from the machine there is oil tank with a capacity of 150 liters. The pumps and motor are mounted on the side of the tank. Furthermore there is a return filter with dirt indicator, oil level indicator, oil cooler (option) and an oil heater (option) to pre-warm the oil. Maximum pressure is 170 bars.

All electrically operated valves are standard, and CETOP interchangeable if machine is done by PLC operated functions.

Pressure regulators for all machine parts with hydraulically powered movements.

It consists of a main board, control panels and input and output junction boxes. All 3-phase wiring, inverters switch and control units are housed in the main board.

The wiring is simple and can be extended anytime. Switches and pushbuttons are installed in the control panel.

All electrical system is prewired and pre –tested to save time for installation on customers side.

Option:

Proximity sensors –limit switches:

All necessary proximity switches, electric eyes as well as safety switches on safety gates.

Electrical wiring is done by centralized system as standard and can be done as de-centralized system as option.

Safety features (option):

The machine is protected by safety gates, which when opened will shut down the machine control voltage, and emergency pushbuttons.