



MACONS Vertical Casting Concrete Pipe Making Plant

MACONS dry-cast concrete pipe machines are the perfect solution for applications that require versatility, productivity, and manufacturing flexibility. The machines comprise a comprehensive range of production stations and vibration systems, facilitating the design of machines with production capabilities up to 2500 mm (98") diameter pipe and 2.5 m x 2.5 m (98"x98") box sections.

The MACONS Vertical Casting Concrete Pipe Making Plant is very suitable for the production of every type of concrete pipes, reinforced as well as non – reinforced and with or w/o lining.

Dimension (mm)			
Model	Circular Pipes	Box Culverts / Manhol Cones	Max. Product Length
MVCP 315	300-1800	300-1500	2500
MVCP 320	300-2200	300-2000	2500
MVCP 325	300-2500	300-2500	2500

Production capability:

- Reinforced and non-reinforced pipe
- Circular and non-circular pipes with a bell or in-wall joint
- Lined pipe (HDPE, PE, GRP)
- Jacking pipe
- Box culvert
- Manhole cone, ring, base, cover

Capacity: Approximately 7 pipes per hour for 300 mm and 3.5 pipes per hour for 2000 mm diameter reinforced pipe, 2500 mm length for single station. With an extra set of outer mold and jib crane, it is possible to boost the capacity further up to 40%.

Operation: The machine is semi-automatically operated by 1-2 men, depending upon the specific products being manufactured, the layout of the machine and the selected optional features. With its built-in system for quick mold changes down to 15-30 minutes, the machine comes with the option of manufacturing more than one pipe diameter per production day.



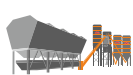
Concrete Pipe Making Plant



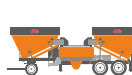
Self Loading Concrete Mixer



Concrete Batching Mixing Plant (MAC)



Concrete Batching Mixing Plant (MCP)



Mobile Concrete Batching Plant (MA)



Wet Mix Macadam Plant



Kerbing Machine



Truck Mounted Aerial Platform



Transit Mixer



Production capability

Diameter (mm)	Reinforced Pipe Length 2500 mm (Pipe / Hour)	Manhole Riser Height 1200 mm (Units / Hour)	Manhole Riser Height 600 mm (Units / Hour)	Box Culverts Length 2000 mm (Units / Hour)
300	7	11	16	4
600	8	9	16	4
800	7	8	14	3.5
1000	6	7	12	3
1200	5	6.5	10	2.5
1500	4.5	5.5	8	2.2
2000	3.5	4	5	1.9
2500	2.5	2	3	1.5

Optional Features

- Double Set of outer moulds for increased production
- Cast-In-Place manhole steps
- Lifting anchor automation
- Turnover system for slabs and Bases

Salient Features

- Recessed production stations
- Floor-level operator platform system
- Mould mounting components, adjustable for uniform working heights
- Mechanized concrete feed system with distributor
- Hydraulic presshead system
- Quick change mould components
- Central operator console
- Central core vibration
- Semi Automatic operation with reverse and forward locking arrangement
- Quick-Mould change system
- 1 or 2 station arrangement
- Adjustable box culvert moulds
- Automatic filling of box culverts
- Optimal for lined pipe
- Feeder Hopper Capacity – 1.25 cubic meter
- Feeder Hopper and sleeve arms attachment for sleeve bearing

Moulds & Accessories



Moulds



Power Pack



Inner Core



Inner outer set rings



Distributor



Sleeve arm



Pallet



Elevator Frame

