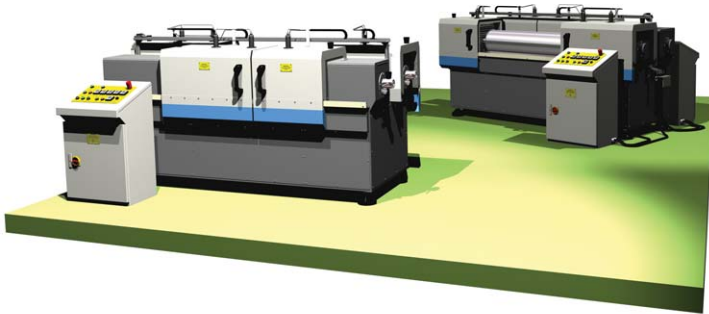


# HH-100-25

## Rotational Casting Machine

The HH-100-25 is a twin chamber rotational casting machine designed for the production of 1 metre length cast nylon tubes with outside diameters from 50 to 250mm.



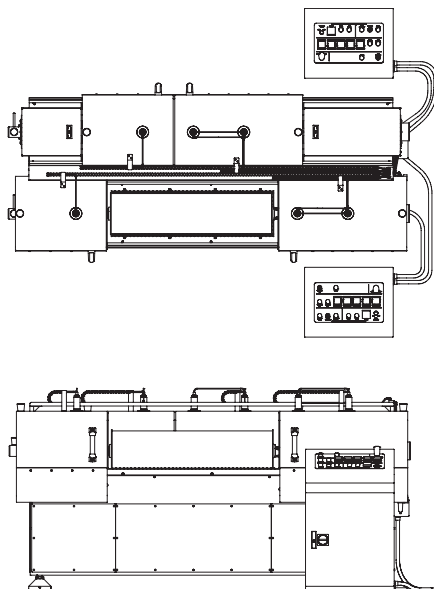
- Twin chamber variable rotational moulding system for nylon tubes
- Linear actuator clamping system
- Accurate heating provided by five electronically controlled incoloy heating units in each chamber
- Electronic fault tracing and monitoring

### SPECIFICATION

Tube Length (F/S):	1000mm
Tube Outside Diameter (F/S):	50 to 250mm
Speed Range:	200 to 2000rpm
Weight:	750kg
Max. Power Consumption:	13kW

(F/S) Finished Size

Power supply is available in a range of industry standards to accommodate local services.



**The HH-100-25 is designed for the production of 1 metre length cast nylon tubes with outside diameters from 50 to 250mm. The tool is clamped, then rotated and heated within a sealed enclosure, with the activated monomer melt being introduced when the tool temperature and rotational speed are correct for the required product size.**

The machine is fabricated from corrosion resistant heavy-gauge rectangular and square hollow section steel, with the frame being clad in corrosion resistant sheet steel panelling, all external surfaces are electroplated to further increase corrosion resistance.

Access to each heating / casting chamber is provided by means of two fabricated sheet steel sliding doors. The inner surfaces of the doors and the casting chambers are lined with reflective stainless steel, and the wall cavities are filled with ceramic blanket insulation to maximise thermal efficiency.

The Heat for the casting operation is evenly and uniformly distributed by one incoloy heating element mounted behind each of the tool location housings and three incoloy heating elements mounted on each chamber base. Chamber temperatures are controlled by electronic temperature controllers.

Within each chamber the tools with their end caps are clamped and rotated between spherical housings. The clamping force is generated via a linear actuator which incorporates an expansion boss assembly to compensate for heat induced expansion of the tools during the production cycle.

The HH-100-25 has been designed so as to require only minimal periodic maintenance, resulting in high production efficiency and reliability. Fault tracing is greatly simplified due to the use of electronic control and monitoring equipment.

**Global EPP reserves the right to alter specifications without prior notice.**

