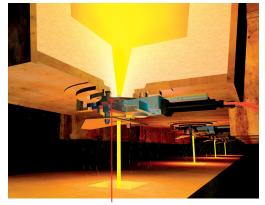




Smart Calibrated Nozzle Changer

The CNC is the most user friendly and safe nozzle change device currently available for billet, bloom and beam casters.





• 2x2 individually spring loaded rockers provide constant clamping force between the plates.

• High temperature resistant springs

CNC Features

- Reduced tundish costs (refractory, manpower, energy)
- Increased casting yield
- Increased caster utilization
- Improved operational safety

Productivity

- Extends sequence length per tundish
- Less tundish changes
- Higher average casting speed

Flexibility

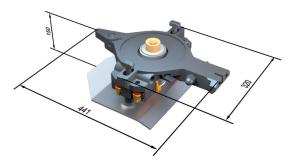
- Change of nozzle diameter and/or casting speed whenever requested
- Cast interruption/restart of individual strands on demand
- Possibility of casting tube attachment for stream protection

Reliability

- Easy and error safe operation
- Safe nozzle exchange in < 0.2 sec
- Safe emergency shut off by stand-by blank plate or double stroke

VESUVIUS CNC Calibrated Nozzle Changer

Model	Typical bore (mm)	Stroke (mm)	Dimensions (mm)	Weight (kg)
CNC	12 to 20	120	441 x 320 x 150	17



The CNC provides two nozzle plate loading alternatives:

- Front loading by detachable hydraulic plate loader
- Side loading from left or right side



Side loading

Front loading

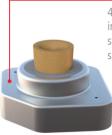
User friendly tundish preparation

Fast refractory setup, easy mounting and removal from the tundish accelerate the turn around and availability of CNC mechanisms in the plant

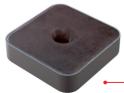
Refractory components

- Upper nozzle plate designed to avoid exposure to steel splashes
- Refractory components available for open stream casting and alternative blank plate or double stroke

Truncated upper plate



45° rotated upper plate provides instant surface contact with the stand-by exchangeable plate for smooth loading



Nozzle plate



- Low weight cassette does not require additional handling means
- Gate fixed to the tundish by T-bolts
- Gate removed by opening into 2 parts
- Nozzle plate removal
- Upper nozzle removed with steel skull















For more information on this product and on our complete package of solutions please contact our local service center :

VESUVIUS GROUP, S.A.

Rue de Douvrain,17 7011 Ghlin, Belgium Tel: +32 65 400 810 Fax +32 65 311 474 gh@vesuvius.com

VESUVIUS ADVANCED CERAMICS (CHINA) CO., LTD

221 Xing Ming Street China-Singapore Suzhou Industrial Park Suzhou 215021, JiangSu Province P.R. of China Tel.: +86 512 6741 2088 Fax: +86 512 6741 1700

VESUVIUS INDIA LTD

P 104, Taratolla Road 700088 Calcutta, India Tel: +91 33 240 10 234 Fax: +91 33 240 11 235

VESUVIUS USA CORP.

P.O. Box 4014 1404 Newton Drive Champaign, IL 61822 USA Tel: +1 217 351 5000 Fax: +1 217 351 5031

VESUVIUS REFRATARIOS, LTDA

Av. Brazil 49.550 Distrito Industrial de Palmares CEP '23065-480-Campo Grande Rio de Janeiro , Brazil Tel: +55 21 2414 0606 Fax: +55 21 2414 0648

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