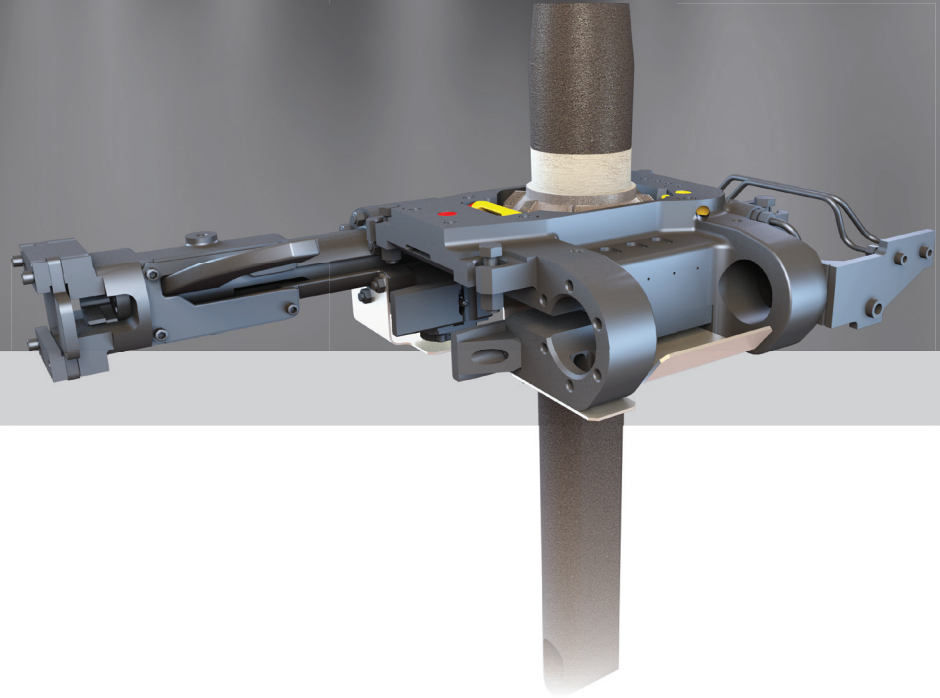


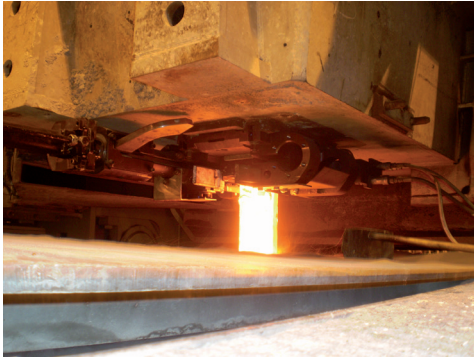
SEM3085

Shroud Exchange Mechanism



Advanced shroud exchange mechanism

For high productivity and quality demanding slab casters



SEM3085 features

Tightness (steel quality)

- Optimized contact pressure distribution for improved tightness
- Twisted bore technology to reduce vacuum at sliding joint
- Self tightening argon connections and hard piped argon channels for reduced air contamination

Productivity

- Sturdy design for heavy duty performance during long sequences

Emergency shutoff

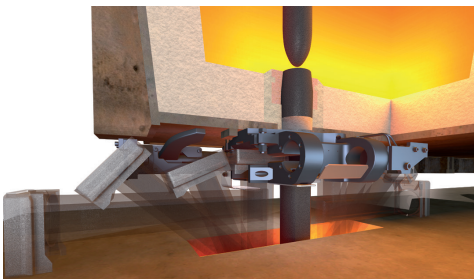
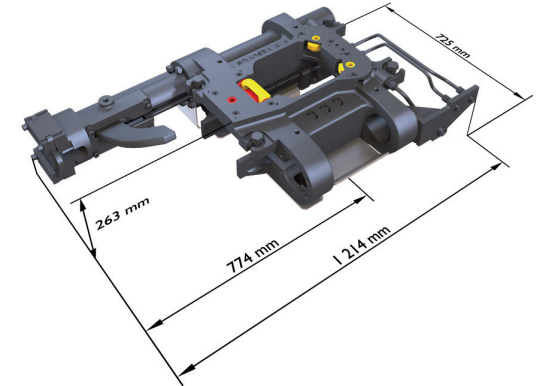
- Enhanced shutoff ability due to double stroke concept
- Shutoff capability during tube exchange operation
- No blank plate requirement during casting operation

Ergonomics

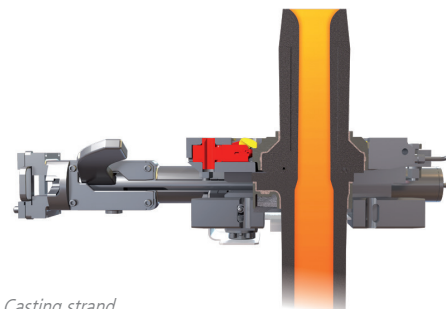
- Improved setting procedures for refractory components
- Fast and accurate self alignment of the tundish shroud
- Improved mould access and visibility for operators
- Fully automatic tube change capability (robotic operation)

VESUVIUS SEM3085 Tube Changer

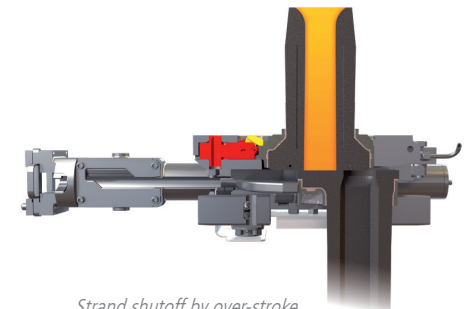
| Model | Typical bore (mm) | Stroke (mm) | Dimensions (mm) | Weight (kg) |
|---------|-------------------|----------------|------------------|-------------|
| SEM3085 | Ø 85 | 392 (300 + 92) | 1214 x 725 x 263 | 255 |



Improved access and visibility



Casting strand

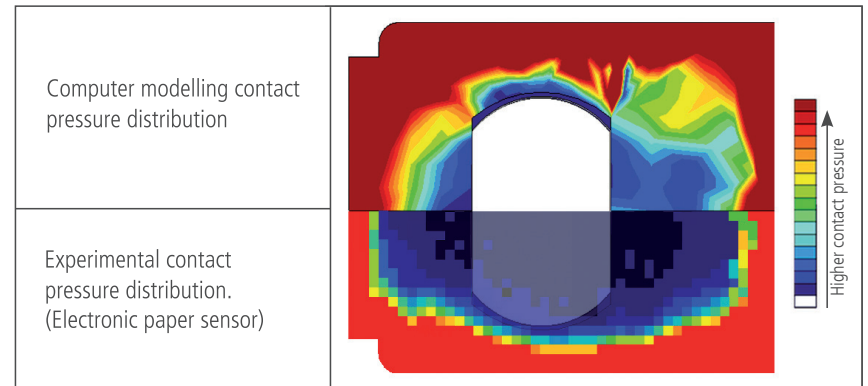
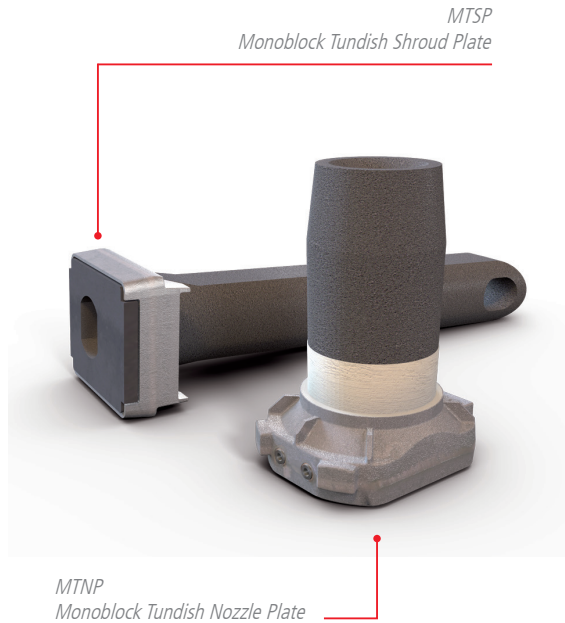


Strand shutoff by over-stroke

Optimized sealing at sliding joint

The optimized pressure distribution between the MTNP and the MTSP ensure the best inter-plate tightness

Refractory components



Twisted bore technology to reduce vacuum at sliding joint



Refractory characteristics

- MTNP/MTSP design optimization through scientific tools
- MTSP with extended shutoff zone
- Boze size: Ø 90 mm equivalent max.
- Finning resistant tube change
- Automatic gas connection
- Porous ring for inter-plate shielding
- Sturdy metallic enclosure



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 USA CORP.

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

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 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

VESUVIUS INDIA LTD

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

VESUVIUS reserves the right to modify and/or improve the equipment as described and specified in this leaflet, at any time according to the state-of-art. SEM3085 – patent applied for in various countries.
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