



ZYAROCK® HoSt-M™ roller

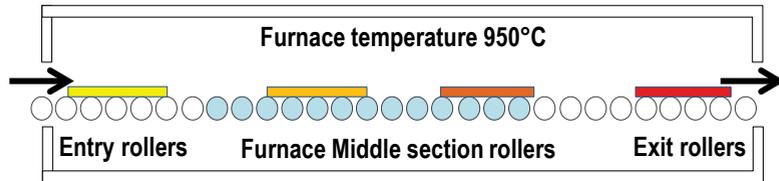
Safety and process stability



ZYAROCK® HoSt-M™ roller

Stabilize your hot stamping process while processing AISi coated steel blanks

ZYAROCK® HoSt-M™ roller has been developed to overcome process instability problems in automotive hot stamping process lines which exclusively process AISi coated steel blanks. The roller is designed for use in the middle furnace section (M) of such lines where the AISi coating develops a critical liquid phase that interacts with the roller surface and may lead to critical surface build-up or complete roller failure of traditionally used ceramic rollers.



ZYAROCK® HoSt-M™ roller benefits

- **Process reliability**
No roller breakage ensures continuous operation causing no unpredictable production shut downs and increases furnace OEE, roller life time of at least 6 months linked to a preventive furnace maintenance program to ensure a stable and reliable line availability.
- **Reduction of operational costs**
Predictable roller life time and resistance to roller surface build up ensures stable 24/7 operation, reduction of rejects by avoiding steel part displacement which is traditionally caused by high grade of surface build-up. The enhanced resistance to surface build-up will result in a higher production output by avoiding production down time and significant reduced maintenance work to remove and clean rollers that are not resistant to surface attack.
- **Increase operators safety and maintenance efficiency**
Improve safety standards and conditions for maintenance and furnace personnel by avoiding roller removal at temperatures close to 1000° C in case of failure or intolerable surface build-up.

Reliable solution for your requirements

Vesuvius designs and manufactures ZYAROCK® HoSt-M™ rollers to fit your applications and requirements. Typical roller lengths varie from 2500 to 4000 mm with OD from 50 to 80 mm but can be extended based on customer requirements. ZYAROCK® HoSt-M™ roller can also be delivered with mounted metal caps used to connect the roller to the furnace drive system. The Vesuvius patented SMARTLY DRIVEN® end cap attachment system provides the best solution for a permanent and durable connection between the ceramic part and metal end caps.



Image of ZYAROCK® HoSt-M™ rollers after 6 months operation time with about 160.000 AISi coated steel blanks transported.

Where to find information about ZYAROCK® HoSt-M™ roller?

Website: www.vesuvius.com
Contact us: www.zyारock.com