

Vehicles for the aluminium industry



photo: Hencon

Backed by more than 45 years of experience, Hencon Holland, with a production facility also in South Africa and Russia and vehicle maintenance facilities in various countries, is a main worldwide supplier in the field of "Special Mobile Equipment" for the primary and secondary aluminium

industry. The delivery program includes the complete range of special vehicles for potrooms and cast-house, such as:

- Furnace charging machines,
- Furnace tending machines,
- Hot metal transport and tilting vehicles,
- Multipurpose vacuum

- cleaners,
- Anode pallet transporters,
- Tapping trucks
- Anode changing machines,
- Alumina / fluoride / soda / bath feeding trucks,
- Anode covering trucks,
- Cavity cleaners,
- Crust breakers,
- Anode briquette feeders,
- Rack raising trucks,
- Anode spading / tamping trucks,
- Side loading forklift trucks,
- Platform lifting trucks.

Special new developments are:

- Compact hot metal transport and tilting vehicle;



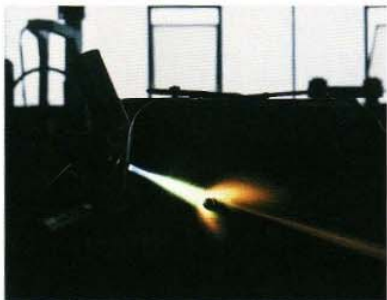
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- Tapping trucks (for bath and alumina),
- Anode transporter (the compact design with integrated lifting and suspension system),
- Multipurpose vacuum cleaner H-3000,
- Multipurpose furnace charging vehicle.

Characteristics of the machines are low maintenance costs, long lifetime and reliability because of oversized rigid design. Beside this they show comfortable sound and heat insulated cabin with ergonomic lay-out and easy operation. Designs will be adapted to local working conditions to optimize the capacity within the dimensions and weight of the machine.

www.hencon.nl

Kneaders run longer, kneaders get tough teeth



(photo: C. A. Picard)

Continuous kneaders suffer wear as they manufacture green anodes for the primary aluminum industry. This presents a challenge to select materials able to withstand such abrasive conditions. For continuous Kneaders for the manufacture of green anodes for the Primary Aluminum Industry C. A. Picard, manufacturer of high quality wear-resistant parts, has found

solutions to the wear problems using various highly wear-resistant materials. Latest development is a special wear-resistant Kneading Tooth in "XC"-quality with a hardness of approx. 4000 HV. The lifetime of this kneading tooth is up to 5 times longer than the life of a standard hard faced tooth. To adapt this new developed longstanding quality to the liner in which the kneading teeth are positioned Picard has developed a super wear-resistant quality Liner in "VA"-quality. This liner has a tungsten carbide surface layer with a hardness of approx. 2000 HV. Both qualities guarantee long service intervals and reduces maintenance and production costs.

Besides those new developments the company manufactures a range of high quality wear-resistant parts in various executions.

The Screw Flights are manufactured in different executions:

- The standard hard faced qualities "XY" which has a hardness of approx. HRc 61 and "XR" which is hard faced with a tungsten carbide material with a hardness up to 2300 HV.
- The high wear-resistant quality "XT" for screw flights is hard faced with CAP-OMAT, a tungsten carbide material with a hardness of approx. 2600 HV at their wear-resistant surface



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The Wearing Plates / Liners are manufactured in two different qualities:

- The standard quality "MN" which has a hardness of approx. HRc 40
- and the high wear resistant qualities "71" and "05" made of high chromium and high carbon steel in through hardened execution up to approx. HRc 62 hardness

Further to the manufacturing capabilities the company is offering repair and refurbishing of used Screw Shaft parts. The worn out parts will be professionally regenerated - no matter if the customer requires individual parts or a complete shaft. www.picard.de