

LIGHT ALLOY CASTINGS

„Efficient foundry technology for new markets“



Green Sand Moulding Machines



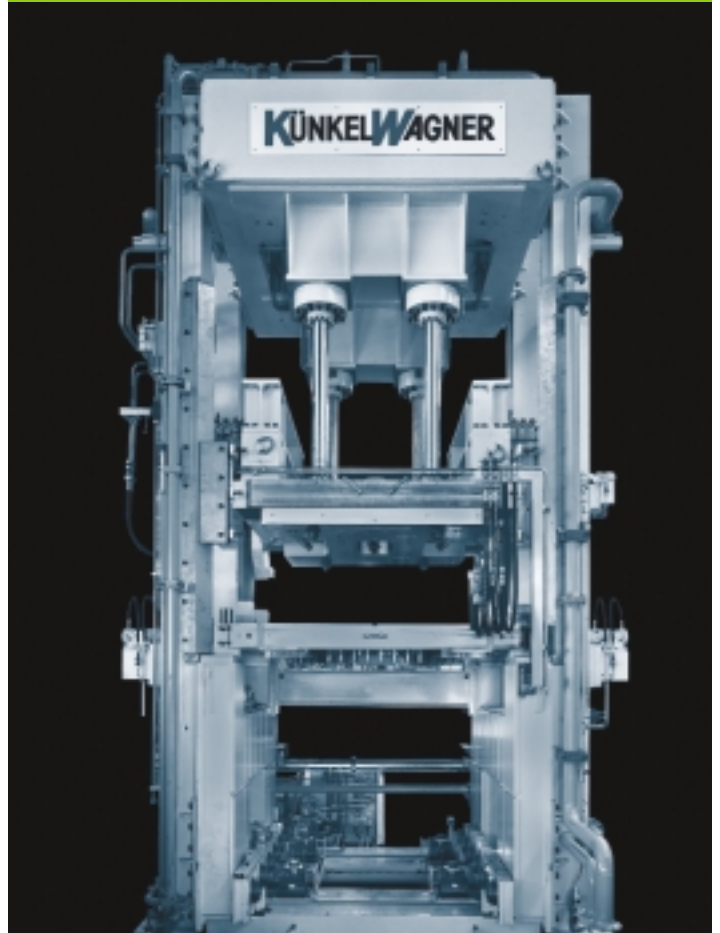
Green Sand Castings

are produced on green sand moulding machines in small and large series with excellent surface quality - KÜNKEL WAGNER offers a well-trying selection in accordance with the requirements to flask size and mould output. Special

brochures of our moulding machines, type EPM, APM, DFM, HPM, Z-DFM and D-HPM will offer you the best insight into this type of machine.

- > sawing and deburring devices form a combined machining station

Low pressure Casting Machines



Low Pressure Castings

require a precise plant engineering, to be able to keep to coordinated motions, round the clock and for years. KÜNKEL-WAGNER supplies this type of plant engineering which is designed for the hard everyday foundry life and which guarantees a lifelong repeating accuracy. KÜNKEL-WAGNER can supply references for low-pressure casting machines which are used to produce crankcases and supporting frames for crankshaft bearings.

- > Peripheral components which are logistically exactly coordinated form a complete system which meets highest requirements with regard to the castings.
- > KÜNKEL-WAGNER supplies low pressure casting machines and peripheral equipment

Gravity Die Casting Carousels



Gravity Die Castings

- > are primarily made on casting carousels for gravity die casting machines with and without tilting mechanism for large series.
- > A most modern power engineering allows quick start ups and brakings as well as the exact positioning of the casting carousel.
- > The jigs must meet special requirements with regard to heating and cooling to be able to comply with safety requirements, for example in case of running gear elements.
- > Special requirements with regard to the metallurgical influences by means of particular heating and cooling systems can be achieved exactly through our specific control techniques for the flow rates of cooling water, compressed air and gas and a highest degree of process security is thus achieved.
- > A system of most modern safety elements, such as scanners or light barrier systems is used in combination with mechanical barriers to guarantee an operator-friendly accessibility for safety engineering.
- > All devices are of a maintenance-free design and therefore the maintenance work is reduced to simple control jobs and production processes do not have to be interrupted.
- > All data of the current production process are collected and presented in a plain manner by means of a clear visualization. In this way, the worker will receive all necessary information at his centrally located work place.
- > Electric and mechanical interfaces which are made-to-order allow the trouble-free integration of additional elements into the overall concept, such as camera or marking systems.
- > KÜNKEL-WAGNER offers system solutions which include holding of the molten metal, dosage, pouring, cooling and pick-up as well as the deburred casting.

Your partner for foundry plant and equipment - worldwide:

- > Automatic moulding plants
- > Individual moulding machines
- > Complete sand preparation plants
- > Sand mixers, return sand coolers, polygonal screens for bentonite-bonded moulding sand
- > Sand reclamation plants for mixed residual sand
- > Semi-automatic pouring devices
- > Automatic rotary die casting systems
- > Automatic low-pressure die casting systems
- > Foundry handling equipment:
Automatic core conveying and assembly systems
- > Moulding boxes, plant components etc.
- > Control technology

HEADQUARTERS:

KÜNKEL-WAGNER
Prozesstechnologie GmbH
Hannoversche Straße 59
31061 Alfeld / Germany
phone: +49 (0) 5181 / 78-0
fax: +49 (0) 5181 / 78-306
e-mail: info@kuenkel-wagner.com
www.kuenkel-wagner.com