

TECHNICAL DATA SHEET

Quality policy	ISO 9001:2008	ISO 14001:2009	BS OHSAS 18001:2007
Material	GREY CAST IRON acc. DIN EN 1561 DUCTILE CAST IRON acc. DIN EN 1563	EN-GJL-150, EN-GJL-200, EN-GJL-250, EN-GJL-300 EN-GJS-400-15, EN-GJS-500-7, EN-GJS-600-3	
Automatic moulding machine	DISAMATIC 2013 MK5-B, with core setter Moulding frame size 650x535x120-360 mm and 600x480x120-360 mm [max. 360 moulds/hour]		
Mechanical moulding machine	Foromat 40 [2 lines] Moulding frame size 850x850x250/250 mm and 950x950x250/250 mm		
Manual mould shop	Furan resin [max. 2.000 kg/pc.]		
Sand regeneration	Full automatical green sand regeneration plant «GFD» [50 to/hour], additional furan resin sand preparation with regeneration		
Core making shop	Croningcores: Croning-machines: Shalco U-180, Stone-Wallwork U-210, Röper H-2,5 Furancores: 2 continous mixer, CO2 cores [max. 10 to/hour]		
Melting units	2 MF Electro furnaces INDUCTOTHERM [5 to/hour]		
Pattern shop	Patterns made of wood, synthetic material or metal, coreboxes		
Test equipment and measurement systems	NovaCast – Casting Simulation Software Mobile 3D measurement system (Faro testing arm with scanning function) Sand mixture testing Casting quality testing (tensile strength testing, hardness acc.to Brinell, chemical analysis for 20 elements on spectrometer, metalographic analysis - microscope for metal structure) Testing of thickness and paint adhesion		
Corrosion protection	1c- and 2c-coating systems, water-soluble coatings, stove enamelling, bitumen coating		
Machining	Turning, drilling, milling and grinding		
Lotsizes per production line	Disamatic: up to ~ 15 kg/pc. Foromat 40: ~ 30 - 150 kg/pc. Handforming area: up to max. 2.000 kg/pc.		Starting from ~ 1.000 pcs. Starting from ~ 30 pcs. for small series and single piece production
Products	Castings and components for industry: Weight per unit: 0,5 kg – 2.000 kg electromotor and generator industry bearing housings pump industry machine industry agricultural machinery gearboxes, drives vehicle industry municipal castings	PREIS® Drainage Systems: Cast iron socketless drainage systems (fittings, pipes and couplings) acc. DIN EN 877 sound insulation 100% recyclable high abrasion resistance stable preventive fire-proofing PREIS® SML – building drainage system PREIS® KML – for special requirements	
Overview	Production > 10.000 to/ year		employees: ~ 215 employees