

6th International Trade Fair for Castings

				12/06
ı	1	Ferrous castings –	1.3.25	Hydraulic and pneumatic industries
	-	Iron, steel and malleable foundries	1.3.26	Nuclear energy engineering
			1.3.27	Compressors
ı	1.1	Material groups	1.3.28	Cranes
ı	1.1.1	Grey cast iron	1.3.29	Art castings
	1.1.2	Spheroidal graphite cast iron	1.3.30	Agricultural machinery
	1.1.3	Compacted graphite cast iron	1.3.31	Aeronautical and space engineering
	1.1.4	Malleable cast iron	1.3.32	Machinery construction (general)
	1.1.5	Austenitic-ferritic cast iron with spheroidal graphite (ADI)	1.3.33	Medical engineering
	1.1.6	Austenitic cast iron	1.3.34	Marine engineering
	1.1.7	Wear-resistant cast iron	1.3.35	Metalworking machinery
	1.1.8	Plain (unalloyed) cast steel	1.3.36	Motor construction
	1.1.9	Heat-treatable cast steel	1.3.37	Foodstuffs machinery
	1.1.10	Heat-resistant cast steel	1.3.38	Offshore engineering
			1.3.39	Presses and rolling mill equipment
	1.1.11	Corrosion-resistant cast steel	1.3.40	Pumps and compressors
	1.1.12	Creep resistant cast steel	1.3.41	Robot engineering
	1.1.13	Cold toughness cast steel	1.3.42	Rail vehicles
	1.1.14	Superalloys (nickel-, cobalt-, iron-based)	1.3.43	Shipbuilding
١	4.0		1.3.44	Special machines
ŀ	1.2	Production processes	1.3.45	•
	1.2.1	Sand casting - machine moulding		Municipal furniture Steel industry (steelworks requirements)
	1.2.1.1	Flask moulding	1.3.46	Textile and sewing machines
	1.2.1.2	Flaskless moulding	1.3.47	Civil and underground engineering
	1.2.1.3	Evaporative pattern casting	1.3.48	3 3 3
	1.2.1.4	Shell moulding	1.3.49	Environmental engineering
	1.2.2	Sand casting - hand moulding	1.3.50	Process industry
	1.2.2.1	with permanent patterns	1.3.51	Packaging industry
	1.2.2.2	Evaporative pattern casting	1.3.52	Publicity and gift articles
	1.2.3	Permanent mould casting	1.3.53	Machine tools
	1.2.3.1	Gravity die casting	1./	Furnantas of sect and dusts
	1.2.3.2	Centrifugal casting	1.4 1.4.1	Examples of cast products
	1.2.3.3	Continuous casting	1.4.1	Discharge pipes, soil pipes Exhaust manifolds
	1.2.4	Investment casting	1.4.3	Axles and axle components
	1.2.5	Other precision casting processes	1.4.4	•
	1.2.6	Special processes	1.4.5	Fittings Holding down plates
	1.2.6.1	Vacuum moulding	1.4.6	Building machinery components
	1.2.6.2	Composite casting	1.4.7	Mining machinery components
	1.2.7	Rapid prototyping	1.4.8	Small hardware fittings
١	4.3	Continue and once for the continue at all and multiple and the	1.4.9	Base plates
ı	1.3	Customers and uses for iron, steel and malleable castings	1.4.10	Crusher jaws
	1.3.1	Plant construction	1.4.11	Brake shoes
	1.3.2	Drive engineering	1.4.12	Brake drums and discs
	1.3.3	Fittings	1.4.12	Bushes
	1.3.4	Preparation of ore, building and mineral materials	1.4.14	Chemical plant components
	1.3.5	Automobile industry (road vehicles)		_ '.
	1.3.6	Building and building materials machinery	1.4.15	Pressure pipes
	1.3.7	Fastenings	1.4.16	Electric motors
	1.3.8	Mining	1.4.17	Electrical engineering components
	1.3.9	Small hardware industry (furniture, keys, locks)	1.4.18	Enamelled parts and bathtubs
	1.3.10	Chemical industry	1.4.19	Vehicle components
	1.3.11	Printing and paper machinery	1.4.20	Fittings
	1.3.12	Iron, sheet metal and fabricated metal products industry	1.4.21	Wing nuts and bolts
	1.3.13	Electrical engineering	1.4.22	Conveyor components
	1.3.14	Power generation and distribution	1.4.23	Moulds
	1.3.15	Vehicles (passenger)	1.4.24	Housings
	1.3.16	Vehicles (utility)	1.4.25	Forging dies
	1.3.17	Precision mechanics/optics	1.4.26	Transmission components
	1.3.18	Moulds, tools and jigs	1.4.27	Weights
	1.3.19	Glass and plastics industry	1.4.28	Handwheels
	1.3.20	Railway track machinery	1.4.29	Domestic equipment components
	1.3.21	Rubber and plastics machinery	1.4.30	Boiler components
	1.3.22	Heating equipment	1.4.31	Hearth and furnace castings
	1.3.23	Building construction	1.4.32	Hydraulic castings
	1.3.24	Woodworking machinery	1.4.33	Industrial furnace components

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			12/00 - 10/00/2
1.4.34	Insulator caps	1.4.98	Shotblasting abrasives
1.4.35	Refrigerator components	1.4.99	Textile machinery components
1.4.36	Calender rolls	1.4.100	Historic castings, Restorations
1.4.37	Sewage castings	1.4.101	Tunnel segments
1.4.38	Nuclear reactor components	1.4.102	Turbine components
1.4.39	Chemical plant boilers	1.4.103	Valve boxes
1.4.40	Chains, chain links	1.4.104	Traffic control components
1.4.41	Piano and grand piano frames	1.4.105	Rolls - steel milling
1.4.42	Steelworks moulds	1.4.106	Rolls - crushing
1.4.43	Moulds for other purposes	1.4.107	Roll housings
1.4.44	Pistons	1.4.108	Heat exchanger components
1.4.45	Piston rings	1.4.109	Machine tool components
1.4.46	Compressor components	1.4.110	Tool components
1.4.47	Motor vehicle components	1.4.111	Gear rings
1.4.48	Art castings	1.4.112	Gearwheels
1.4.49	Couplings	1.4.113	Cylinders
1.4.50	Crankshafts	1.4.114	Cylinder blocks
1.4.51	Bearings	1.4.115	Cylinder heads
1.4.52	Agricultural machinery components	1.4.116	Cylinder liners
1.4.53	Bushes (Bearing)	1.4.117	Cylinder jackets
1.4.54	Rollers		
1.4.55	Turbine impellers		
1.4.56	Grinding media		Nonforrous motal sastings Aluminium
1.4.57	Machine tool beds and tables	2	Nonferrous metal castings – Aluminium, zinc, copper, magnesium, nickel and
1.4.58	Marine engineering components		other nonferrous metal foundries
1.4.59 1.4.60	Measuring and control components		other nomerous metal roundries
1.4.61	Motor housings - electrical engineering Motor housings - large motors	2.1	Material groups
1.4.62	Motor housings - targe motors Motor housings - machines	2.1.1	Aluminium and its alloys
1.4.63	Motor housings - machines Motor housings - road vehicles	2.1.2	Magnesium and its alloys
1.4.64	Motor components	2.1.3	Titanium and its alloys
1.4.65	Sleeves	2.1.4	Copper and its alloys
1.4.66	Hubs	2.1.5	Zinc and its alloys
1.4.67	Sewing machine components	2.1.6	Nickel and its alloys
1.4.68	Camshafts	2.1.7	Cobalt and its alloys
1.4.69	Oven and fireplace plates	2.1.8	Lead and its alloys
1.4.70	Petrochemical plant components	2.1.9	Tin and its alloys
1.4.71	Connecting rods	2.1.10	Precious metals
1.4.72	Pneumatic plant components	2.1.11	Other alloys
1.4.73	Rods (continuously cast material)		
1.4.74	Pump components	2.2	Production processes
1.4.75	Radiators	2.2.1	Sand casting - machine moulding
1.4.76	Wheel bearing components	2.2.1.1	Flask moulding
1.4.77	Wheels	2.2.1.2	Flaskless moulding
1.4.78	Pulleys	2.2.1.3	Lost foam process
1.4.79	Rings	2.2.1.4	Vacuum sand casting
1.4.80	Pipes	2.2.1.5	Shell moulding
1.4.81	Pipes (composite castings)	2.2.1.6	Core package process
1.4.82	Grates and fire bars	2.2.2	Permanent mould casting
1.4.83	Round rods	2.2.2.1	Gravity die casting
1.4.84	Sanitary castings	2.2.2.2	Low pressure die casting
1.4.85 1.4.86	Manhole covers Switchbox components	2.2.3 2.2.3.1	Pressure die casting Conventional pressure die casting
1.4.87		2.2.3.2	Squeeze casting
1.4.88	Rail vehicle components Shipbuilding components	2.2.3.3	Thixocasting
1.4.89	Ship propellers	2.2.4	Continuous casting
1.4.90	Slag ladles (pots)	2.2.5	Centrifugal casting
1.4.91	Lock and small hardware components	2.2.6	Investment casting
1.4.92	Keys	2.2.7	Other precision processes
1.4.93	Weldable steel joints	2.2.8	Special processes
1.4.94	Welding rods	2.2.8.1	Bell casting
1.4.95	Flywheels	2.2.8.2	Art casting
1.4.96	Municipal furniture	2.2.8.3	Vacuum centrifugal casting
1.4.97	Piston, Rods	2.2.8.4	Vacuum differential pressure casting
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			12/00-10/00/
2.2.8.5	Composite casting	2.3.61	Sports/Games/Leisure
2.2.9	Rapid prototyping	2.3.62	Municipal furniture
		2.3.63	Textile industry
2.3	Customers and uses of nonferrous metal castings	2.3.64	Clock industry
2.3.1	Plant construction	2.3.65	Traffic engineering
2.3.2	Drive engineering	2.3.66	Packaging industry
2.3.3	Apparatus and appliance engineering	2.3.67	Publicity and gift articles
2.3.4	Fittings	2.3.68	Machine tools
2.3.5	Automobile industry (road vehicles)		
2.3.6	Main building industry	2.4	Examples of cast products for the listed customers
2.3.7	Fastenings		and applications
2.3.8	Lighting equipment	2.4.1	Axles and axle components
2.3.9	Mining	2.4.2	Armatures and fittings
2.3.10	Small hardware	2.4.3	Construction machinery components
2.3.11	Office equipment	2.4.4	Mining equipment components
2.3.12	Chemical and petroleum industries	2.4.5	Mining machinery components
2.3.13	Computers	2.4.6	Hardware (windows)
2.3.14	Printing and paper machinery	2.4.7	Hardware (furnituré)
2.3.15	Compressed air and welding engineering	2.4.8	Baseplates
2.3.16	Iron, sheet metal and fabricated products	2.4.9	Bushes
2.3.17	Iron and steel industries	2.4.10	Office equipment components
2.3.18	Electric motors	2.4.11	Electric motor components
2.3.19	Electrical engineering	2.4.12	Vehicle components
2.3.20	Power generation and distribution	2.4.13	Wheel rims
2.3.21	Vehicles (passenger)	2.4.14	Fittings
2.3.22	Vehicles (utility)	2.4.15	Conveyor components
2.3.23	Precision mechanics, optics	2.4.16	Moulds
2.3.24	Light engineering	2.4.17	Housings
2.3.25	Windows	2.4.18	Transmission components
2.3.26	Filtration equipment	2.4.19	Bells
2.3.27	Conveyors	2.4.20	Handwheels
2.3.28	Moulds, tools and jigs	2.4.21	Domestic equipment components
2.3.29	Transmissions and motors	2.4.22	Heating equipment components
2.3.30	Glass and plastics industry	2.4.23	Human medicine components
2.3.31	Bell casting	2.4.24	Industrial furnace components
2.3.32	Tools	2.4.25	Refrigerator components
2.3.33	Domestic appliances	2.4.26	Nuclear reactor components
2.3.34	Heating equipment	2.4.27	Pistons
2.3.35	Hydraulics and pneumatics	2.4.28	Compressor components
2.3.36	Nuclear energy engineering	2.4.29	Motor vehicle components
2.3.37	Communications engineering	2.4.30	Art castings
2.3.38	Compressors	2.4.31	Coupling components
2.3.39	Art castings	2.4.32	Laboratory equipment components
2.3.40	Agricultural machines	2.4.33	Bearings
2.3.41	Foodstuff industry	2.4.34	Bearing materials
2.3.42	Aeronautical and space engineering	2.4.35	Rollers
2.3.43	Machinery (general)	2.4.36	Turbine impellers
2.3.44	Medical engineering	2.4.37	Marine engineering components
2.3.45	Marine engineering	2.4.38	Measuring & control engineering comp.
2.3.46	Measuring and control engineering	2.4.39	Motor housings - electrical engineering
2.3.47	Furniture industry	2.4.40	Motor housings - road vehicles
2.3.48	Motor construction	2.4.41	Motor components
2.3.49	Motorcycles and 2-wheelers	2.4.42	Sockets
2.3.50	Offshore engineering	2.4.43	Wheel hubs
2.3.51	Optical industry	2.4.44	Sewing machine components
2.3.52	Presses and rolling mills	2.4.45	Oven and fireplace plates
2.3.53	Process industry	2.4.46	Oil sumps
2.3.54	Pumps and compressors	2.4.47	Connecting rods
2.3.55	Roller shutters and awnings	2.4.48	Pneumatic plant components
2.3.56	Rail vehicles	2.4.49	Rods (continuous cast)
2.3.57	Shipbuilding	2.4.50	Propellers
2.3.58	Jewellery	2.4.51	Pump components
2.3.59	Safety engineering	2.4.52	Wheels
2.3.60	Special machines	2.4.53	Wheel bearing components
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			12/06 – 16/06/2
2.4.5	4 Pipes	3.3	Engineering services (research and consultation)
2.4.5	•	3.3.1	Certification and classification
2.4.50		3.3.2	Planning and logistics
2.4.5		3.3.3	Value analysis
2.4.5		3.3.4	Laboratory services
2.4.5	, ,	3.3.5	Advice on materials
2.4.6		3.3.3	Advice on materials
	•	2 /	Education learning and mubications
2.4.6	, , ,	3.4	Education, learning and publications
2.4.6	, , ,	3.4.1	Technical information service
2.4.63	•		(information, reference material, data banks)
2.4.6	•	3.4.2	Technical literature
2.4.6		3.4.3	Study and vocational training
2.4.6	,	3.4.4	Education and further education, schooling and
2.4.6	,		training
2.4.68	•		
2.4.69	• •	3.5	Measuring and testing
2.4.70	3 ·	3.5.1	Material testing
2.4.7	•	3.5.2	Non-destructive testing processes
2.4.7	•	3.5.3	Dimensional inspection
2.4.73		3.5.4	Quality control
2.4.7	4 Traffic control components		
2.4.7	5 Gear rings	3.6	Secondary treatment/Machining
2.4.70	6 Gearwheels	3.6.1	Heat treatment
2.4.7	7 Cylinders	3.6.2	Mechanical machining
2.4.78	8 Cylinder blocks	3.6.3	Coating, priming, painting
2.4.79	9 Cylinder heads	3.6.4	Assembly
2.4.80	O Cylinder liners		•
2.4.8	1 Cylinder jackets	3.7	Quality assurance
	•	3.7.1	Marking technology
		3.7.2	Marking
			•
3	Services	3.8	Computer tomography
		3.8.1	Services, application technology
3.1	Concept	3.8.2	Software
3.1.1	Concept development		
3.1.2	·	3.9	Software for foundries
	•		
3.2	Product development		
3.2.1	•		
	(design optimization, virtual trials)	4	Sinters
3.2.2	, , , , , , , , , , , , , , , , , , , ,		
31212	rapid tooling	4.1	Moduled parts from sintered metal
3.2.2.	•	-10-2	Troudced pares from sincered metac
3.2.2.		4.2	Sintered bearings
3.2.2.	3 (1 1)	4.2	Sintered bearings
3.2.2.	. 5\ /	4.3	Sintared magnets
3.2.2.		4.5	Sintered magnets
3.2.2.	3	4.4	Sintered metals
	•	4.4	Sintereu metats
3.2.3		/ 5	Cintered medicate metallic
3.2.4		4.5	Sintered products, metallic
3.2.4.	•		Cinternal annulustra annu annt-112-
3.2.4.	•	4.6	Sintered products, non-metallic
3.2.4.	• •		
3.2.4.	•	4.7	Coating
3.2.4.	<u> </u>		
3.2.4.	•	4.8	Laser-sintered parts
3.2.5			au.
3.2.5.	•	4.9	Others
3.2.5.			
3.2.5.			
3.2.5.	4 Core making tools		
		5	Trade and logistics
		5.1	Manufacturers
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5.2	Trade
5.3	Logistics
5.4	Storage techniques
5.5	Transport systems
5.6	Service
5.7	Delivery service
5.8	Pre-operational techniques (sawing, cutting)
5.9	Pre-operational centres
6	Consulting, design, service and engineering
7	Technical publications, technical
	periodicals, associations
8	Training, further education