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List of Products

01 Foundry Plants and Equipment

- 10 Foundry Plants, Planning and Construction
- 20 Foundry Equipment and Facilities, in general
- 30 Foundry Plants, fully and partially automatic
- 40 Maintenance and Repairing of Foundry Plants
- 44 Swing-Technique Machines for Handling, Dosing, and Classing
- 45 Second Hand Foundry Plants and Equipment
- 47 Spray Deposition Plants

01.01. Components

- 47 Spray Deposition Plants
- 50 Charging Systems, in general
- 52 Cored Wire Treatment Stations
- 53 Plug Connections, Heat Resisting

02 Melting Plants and Equipment for Iron and Steel Castings and for Malleable Cast Iron

02.01. Cupolas

- 55 Cupolas
- 60 Hot-Blast Cupolas
- 70 Cold-Blast Cupolas
- 80 Circulating Gas Cupolas
- 90 Gas Fired Cupolas
- 100 Cupolas, cokeless
- 110 Cupolas with Oxygen-Enrichment
- 120 Cupolas with Secondary Blast Operation

02.02. Cupola Accessories and Auxiliaries

- 130 Lighter
- 140 Cupola Charging Equipment
- 150 Tuyères
- 160 Burners for Cupolas
- 180 Blowing-In Equipment for Carbo Fer
- 190 Blowing-In Equipment for Filter Dusts into Cupolas
- 210 Blowing-In Equipment for Carbon
- 211 Blowing-In Equipment for Metallurgical Processes
- 220 Dedusting, Cupolas
- 225 Gas Cleaning
- 230 Charging Plants, fully and partially automatic
- 240 Blowers, Cupolas
- 270 Recuperators
- 280 Oxygen Injection for Cupolas
- 290 Shaking Ladles, Plants
- 295 Dust Briquetting
- 300 Monitoring Plants, Cupola
- 310 Forehearth, Cupola
- 320 Blast Heater

02.03. Melting and Holding Furnaces, Electrically Heated

- 330 Electric melting Furnaces, in general
- 340 Induction Channel Furnaces
- 350 Crucible Induction Furnaces, medium Frequency
- 360 Crucible Induction Furnaces, Mains Frequency
- 370 Short-Coil Induction Furnaces
- 390 Filters, in general
- 399 Tower Melter
- 400 Holding Furnaces

02.04. Accessories and Auxiliaries for Electric Furnaces

- 410 Charging Units
- 420 Blowing-In Equipment for Carbo Fer
- 430 Blowing-In Equipment for Filter Dusts
- 440 Blowing-In Equipment for Carbon
- 445 Inert Gas Systems for EAF and EIF
- 450 Inert Gas Systems for EAF and EIF
- 460 Electro-magnetic Conveyor Chutes
- 470 Dust Separation Plant
- 480 Charging Equipment
- 500 Graphite Electrodes
- 510 Lime Dosing Device
- 520 Condensers
- 540 Cooling Equipment
- 550 Scrap preheating Plants
- 560 Secondary Metallurgical Plants
- 565 Control Installations
- 570 Equipment for induction stirring

02.05. Rotary Furnaces

- 580 Rotary Furnaces

02.06. Maintenance and Repairing

- 584 Repairing of Induction Furnaces
- 586 Maintenance of Complete Induction Furnace Plants

03 Melting Plants and Equipment for NFM

03.01. Melting Furnaces, Fuel Fired

- 590 Hearth-Type (Melting) Furnaces
- 599 Tower Furnaces
- 600 Bale-Out Furnaces
- 610 Crucible Furnaces
- 620 Drum-Type Melting Furnaces

03.02. Melting and Holding Furnaces, Electrically Heated

- 630 Aluminium Melting Furnaces
- 640 Dosing Furnace
- 655 Heating Elements for Resistance Furnaces
- 660 Induction Furnaces (Mains, Medium, and High Frequency)
- 665 Magnesium Melting Plants and Dosing Devices
- 670 Melting Furnaces, in general
- 680 Bale-Out Furnaces

- 690 Crucible Furnaces
- 700 Remelting Furnaces
- 710 Holding Furnaces
- 720 Electric Resistance Furnaces
- 902 Vacuum Melting and Casting Furnaces

03.03. Accessories and Auxiliaries

- 730 Exhausting Plants
- 740 Molten Metal Refining by Argon
- 742 Gassing Systems for Aluminium Melting
- 750 Gassing Systems for Magnesium Melting
- 760 Charging Plants
- 770 Blowing-in Equipment for Alloying and Inoculating Agents
- 774 Blowing-in Equipment for Inoculating Agents
- 778 Degassing Equipment
- 780 Dedusting Equipment
- 785 Crucibles, Ready-To-Use
- 790 Charging Equipment
- 800 Graphite Melting Pots
- 825 Emergency Iron Collecting Reservoirs
- 847 Cleaning Devices for Cleaning Dross in Induction Furnaces
- 848 Cleaning Device and Gripper for Deslagging - Induction Furnaces
- 850 Crucibles
- 860 Inert Gas Systems
- 870 Silicon Carbide Pots
- 875 Special Vibrating Grippers for the Removal of Loose Dross and Caking
- 880 Gas Flushing Installations
- 890 Crucibles, Pots
- 895 Power Supply, Plasma Generators
- 900 Vacuum Degassing Equipment

04 Refractories Technology

04.01. Plants, Equipment and Tools for Lining in Melting and Casting

- 910 Spraying Tools for Furnace Lining
- 920 Breakage Equipment for Cupolas, Crucibles, Pots, Torpedo Ladles and Ladles
- 923 Lost Formers
- 930 Mixers and Chargers for Refractory Mixes
- 940 Charging Units for Furnaces
- 950 Gunning for Relining of Cupolas
- 954 Ramming Mix Formers
- 956 Ramming Templates
- 980 Wear Indicators for Refractory Lining
- 982 Wear Measuring and Monitoring for Refractory Lining
- 985 State Diagnosis of Refractory Lines

04.02. Refractory Materials (Shaped and Non Shaped)

- 1000 Boron-Nitride Isolation
- 1005 Sand Gaskets, Isolation Materials (up to 1260 °C)
- 1009 Running and Feeding Systems (Gating Systems)
- 1010 Running and Feeding Systems (Runner Bricks, Centre Bricks, Sprue Cups)
- 1020 Fibrous Mould Parts
- 1021 Fibrous Mould Parts up to 1750 °C
- 1030 Refractory Castables
- 1040 Refractories, in general
- 1050 Insulating Refractory Bricks
- 1060 Refractory Cements
- 1070 Refractories for Aluminium Melting Furnaces
- 1080 Refractory Materials for Anode Kilns
- 1090 Refractory Materials for Melting Furnaces, in general
- 1100 Refractory Materials for Holding Furnaces
- 1103 Ceramic Fibre Mould Parts and Modules
- 1104 Mold Sections and Modules made of HTW (High Temperature Wool)
- 1109 Precasts
- 1110 Pouring Lip Bricks
- 1113 Fibreglass Mats
- 1114 Slip Foils for Glowing Materials
- 1117 High Temperature Mats, Papers, Plates, and Felts
- 1120 Induction Furnace Compounds
- 1123 Insulating and Sealing Panels up to 1200 °C
- 1125 Insulating Fabrics up to 1260 °C
- 1128 Insulating Felts and Mats up to 1260 °C
- 1130 Insulating Products
- 1140 Insulating Products (such as Fibres, Micanites)
- 1150 Insulating Bricks
- 1155 Ceramic Fibre Mats, Papers, Plates, and Felts
- 1160 Ceramic Fibre Modules
- 1169 Ceramic Fibre Substitutes
- 1170 Ceramic Fibre Products
- 1180 Loamy Sands
- 1190 Carbon Bricks
- 1200 Cupola and Siphon Mixes
- 1210 Cupola Bricks
- 1220 Micro Porous Insulating Materials
- 1222 Nano Porous Insulating Materials
- 1225 Furnace Door Sealings, Cords, and Packings
- 1230 Furnace Linings
- 1240 Ladle Refractory Mixes
- 1250 Ladle Bricks
- 1260 Plates, free from Ceramic Fibres
- 1261 Plates made of Ground Alkali Silicate Wool
- 1270 Acid and Silica Mixes
- 1280 Fire-Clay Mixes and Cements
- 1290 Fire-Clay Bricks
- 1310 Porous Plugs
- 1312 Stirring Cones for Steel, Grey Cast Iron and Aluminium
- 1320 Moulding Mixtures for Steel Casting

- 1330 Ramming, Relining, Casting, Gunning, and Vibration Bunks
- 1333 Ramming, Casting, Gunning, and Repairing Compounds
- 1340 Plugs and Nozzles
- 1345 Textile Fabrics up to 1260 °C
- 988 Substitutes of Aluminium Silicate Wool
- 990 Coating and Filling Materials, Protective Coatings

04.03. Refractory Raw Materials

- 1350 Glass Powder
- 1360 Loamy Sands
- 1370 Magnesite, Chrom-Magnesite, Forsterite
- 1390 Chamotte, Ground Chamotte
- 1400 Clays, Clay Powders

04.04. Refractory Building

- 1410 Bricking-Up of Furnaces
- 1420 Refractory Building/Installation
- 1430 Fire and Heat Protection
- 1435 Furnace Door Joints
- 1440 Furnace Reconstruction
- 1450 Repairing of Furnaces and Refractories
- 1460 Heat Insulation
- 1462 Maintenance of Refractory Linings

05 Non-metal Raw Materials and Auxiliaries for Melting Shop

05.01. Coke

- 1480 Lignite Coke
- 1490 Foundry Coke
- 1510 Petroleum Coke

05.02. Additives

- 1520 Desulphurization Compounds
- 1530 Felspar
- 1540 Fluorspar
- 1550 Casting Carbide
- 1560 Glass Granulate
- 1570 Lime, Limestones
- 1575 Briquets for Cupolas
- 1580 Slag Forming Addition

05.03. Gases

- 1590 Argon
- 1600 Oxygen
- 1610 Inert Gases
- 1620 Nitrogen
- 1622 Hydrogen

05.04. Carburization Agents

- 1630 Carburization Agents, in general
- 1640 Lignite Coke
- 1650 Electrode Butts
- 1660 Electrode Graphite
- 1665 Desulfurizer
- 1670 Graphite
- 1680 Coke Breeze, Coke-Dust
- 1700 Petroleum Coke
- 1710 Silicon Carbide
- 3261 Automatic Powder Feeding

05.05. Melting Fluxes for NF-Metals

- 1720 Aluminium Covering Fluxes

- 1730 Desoxidants, in general
- 1740 Degassing Fluxes
- 1750 Desulphurisers
- 1760 Charcoal
- 1770 Refiners
- 1780 Fluxing Agents
- 1785 Melt Treatment Agents
- 1790 Fluxing Agents

06 Metallic Charge Materials for Iron and Steel Castings and for Malleable Cast Iron

06.01. Scrap Materials

- 1810 Cast Scrap
- 1811 Cast Turnings
- 1813 Cuttings/Stampings
- 1817 Steel Scrap

06.02. Pig Iron

- 1820 Hematite Pig Iron
- 1830 Foundry Pig Iron
- 1838 DK Pig Iron
- 1840 DK-Perlit Special Pig Iron
- 1880 DK Pig Iron for Malleable Cast Iron
- 1898 DK Pig Iron, low-carbon, Quality DKC
- 1900 DK-Perlit Special Pig Iron, Low Carbon, DKC Quality
- 1936 DK Phosphorus Alloy Pig Iron
- 1940 DK-Perlit Special Pig Iron, Type Siegerlaender
- 1950 Spiegel Eisen
- 1970 Blast Furnace Ferro Silicon

06.03. Specials (Pig Iron)

- 1990 Foundry Pig Iron
- 2000 Hematite Pig Iron
- 2010 Sorel Metal
- 2020 Special Pig Iron for s. g. Cast Iron Production
- 2030 Special Pig Iron for s.g. Cast Iron
- 2040 Steelmaking Pig Iron

06.04. Ferro Alloys

- 2050 Ferro-Boron
- 2060 Ferro-Chromium
- 2070 Ferroalloys, in general
- 2080 Ferro-Manganese
- 2090 Ferro-Molybdenum
- 2100 Ferro-Nickel
- 2110 Ferro-Niobium
- 2120 Ferro-Phosphorus
- 2130 Ferro-Selenium
- 2140 Ferro-Silicon
- 2150 Ferro-Silicon-Magnesium
- 2160 Ferro-Titanium
- 2170 Ferro-Vanadium
- 2180 Ferro-Tungsten
- 2190 Silicon-Manganese

06.05. Other Alloy Metals and Master Alloys

- 2200 Aluminium Granulates
- 2210 Aluminium, Aluminium Alloys
- 2220 Aluminium Powder
- 2230 Aluminium Master Alloys
- 2250 Calcium Carbide
- 2260 Calcium-Silicon
- 2265 Cerium Mischmetal

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2280 Chromium Metals
 2290 Cobalt
 2300 Chromium Metal, Aluminothermic
 2310 Deoxidation Alloys
 2318 High-grade Steel
 2320 Iron Powder
 2350 Copper
 2360 Cupola Briquets
 2370 Alloying Metals, in general
 2380 Alloying Additives
 2390 Magnesium, Magnesium Alloys
 2410 Manganese Metal
 2420 Manganese Metal, Electrolytic
 2430 Molybdenum
 2440 Molybdenum Alloys
 2450 Molybdenum Oxide
 2460 Nickel, Nickel Alloys
 2470 Nickel-Magnesium
 2490 Furnace Additives
 2500 Ladle Additives
 2510 High-Purity Iron, Low-Carbon
 2520 Sulphuric Iron
 2530 Silicon Carbide
 2540 Silicon Metal
 2545 Silicon Metal Granules
 2550 Special Alloys
 2570 Titanium Sponge
 2575 Master Alloys for Precious Metals
 2580 Bismuth
 2590 Tungsten
 2600 Tin
 2610 Alloying Metals, Master Alloys

06.06. Nodularizing Additives and Auxiliaries

2620 Magnesium Treatment Alloys for s. g. Cast Iron
 2630 Mischmetal

06.07. Inoculants and Auxiliary Appliances

2640 Cored-Wire Injectors
 2645 Injection Appliances for Cored Wire
 2650 Cored Wires for Secondary and Ladle Metallurgy
 2653 Cored Wires for Magnesium Treatment
 2656 Cored Wires for Inoculation of Cast Iron Melts
 2658 Stream Inoculants
 2660 Automatic IDA-Type Inoculation Dosing Devices
 2670 Injection Appliances
 2680 Inoculants and Inoculation Alloys, in general
 2690 Inoculants for Cast Iron
 2692 MSI Pouring Stream Inoculation Devices
 2694 Ladle Inoculants

07

Metallic Charge and Treatment Materials for Light and Heavy Metal Castings

07.01. Scrap

2730 Metal Residues

07.02. Ingot Metal

2740 Standard Aluminium Alloys
 2750 Brass Ingots
 2770 High-Grade Zinc Alloys

2790 Copper
 2800 Copper Alloys
 2810 Magnesium, Magnesium Alloys
 2830 Tin

07.03. Alloying Addition for Treatment

2838 Aluminium-Beryllium Master Alloys
 2840 Aluminium-Copper
 2852 Aluminium Master Alloys
 2870 Arsenic Copper
 2875 Beryllium-Copper
 2890 Calcium
 2891 Calcium Carbide, Desulphurisers
 2893 Chromium-Copper
 2900 Ferro-Copper
 2910 Grain Refiner
 2920 Granulated Copper
 2924 Copper Magnesium
 2925 Copper Salts
 2927 Copper Master Alloys
 2930 Alloy Metals, in general
 2935 Alloy Biscuits
 2936 Lithium
 2938 Manganese Chloride (anhydrate)
 2940 Manganese Copper
 2950 Metal Powder
 2960 Niobium
 2970 Phosphor-Copper
 2980 Phosphor-Tin
 2990 Silicon-Copper
 3000 Silicon Metal
 3010 Strontium, Strontium Alloys
 3020 Tantalum
 3025 Titanium, powdery
 3030 Refining Agents for Aluminium
 3033 Zirconium-Copper

08

Plants and Machines for Moulding and Coremaking Processes

08.01. Moulding Plants

3050 Moulding Plants, in general
 3058 Moulding Machines, Boxless
 3060 Moulding Machines, Fully Automatic
 3070 Moulding Machines, Fully and Partially Automatic

08.02. Moulding and Coremaking Machines

3080 Lifting Moulding Machine
 3090 Pneumatic Moulding Machines
 3100 Automatic Moulding Machines
 3110 High-Pressure Squeeze Moulding Machines
 3130 Impact Moulding Machines
 3140 Moulding Plants and Machines for Cold-Setting Processes
 3150 Moulding Machines, Boxless
 3160 Core Blowers
 3170 Coremaking Machines
 3180 Core Shooters
 3190 Air-flow Squeeze Moulding Machines and Plants
 3200 Shell Moulding Machines
 3210 Shell Moulding Machines
 3220 Shell Moulding Machines and Hollow Core Blowers
 3225 Multi-Stage Vacuum Process

3230 Multi-Stage Vacuum Processes for Pressure Die Casting Processes
 3235 Rapid Prototyping
 3240 Jolt Squeeze Moulding Machines
 3250 Suction Squeeze Moulding Machines and Plants
 3260 Pinlift Moulding Machines
 3270 Rollover Moulding Machines
 3280 Vacuum Moulding Machines and Processes
 3290 Multi-Piston Squeeze Moulding Machines
 3300 Turnover Moulding Machines

08.03. Additives and Accessories

3310 Exhaust Air Cleaning Plants for Moulding Machines
 3320 Gassing Units for Moulds and Cores
 3325 Seal Bonnets for Immersion Nozzles
 3330 Metering Dosing Devices for Binders and Additives
 3340 Electrical Equipment for Moulding Machines and Accessories
 3350 Electrical and Electronic Controlling Devices for Moulding Machines
 3355 Mould Dryer
 3360 Vents
 3370 Screen-Vents
 3380 Spare Parts for Moulding Machines
 3390 Flow Coating Plants
 3400 Pattern Plates
 3420 Manipulators
 3430 Core Setting Equipment
 3440 Core Removal Handling
 3450 Core Handling
 3460 Coremaking Manipulators
 3462 Core Transport Racks
 3470 Shell Mould Sealing Equipment and Presses
 3480 Mixers for Blackings and Coatings
 3500 Plastic Blowing and Gassing Plates
 3510 Coating Equipment
 3512 Coating Dryers
 3520 Equipment for Alcohol-based Coatings
 3525 Coating Stores and Preparation Equipment
 3530 Coating Mixers, Coating Preparation Equipment
 3540 Screen Vents, front Armoured
 3560 Swing Conveyors
 3570 Screening Machines
 3580 Plug Connections, Heat-Resisting

08.04. Mould Boxes and Accessories

3590 Moulding Boxes
 3610 Moulding Box Round-hole and Long-hole Guides

09

Moulding Sands

09.01. Basic Moulding Sands

3630 Chromite Sands
 3640 Moulding Sands
 3645 Ceramic Sands/Chamotte Sands
 3650 Core Sands

3660 Molochite
 3670 Mullite Chamotte
 3690 Olivine Sands
 3700 Fused Silica
 3705 Lost Foam Backing Sands
 3710 Silica Flour
 3720 Silica Sands
 3730 Zircon Powder
 3740 Zircon Sands

09.02. Binders
 3750 Alkyd Resins
 3755 Inorganic Binders
 3760 Asphalt Binders
 3770 Bentonite
 3790 Binders for Investment Casting
 3800 Cold-Box Binders
 3803 Resins for the Shell Moulding Process
 3820 Ethyl Silicate
 3830 Moulding Sand Binders, in general
 3833 Binders, Inorganic
 3840 Resins
 3860 Oil Binders
 3870 Core Sand Binders, in general
 3875 Silica Sol
 3880 Synthetic Resin Binders, in general
 3890 Synthetic Resin Binders for Refractories
 3900 Synthetic Resin Binder for Gas Curing Processes
 3910 Synthetic Resin Binder for Hot Curing Processes
 3920 Synthetic Resin Binder for Cold Setting Processes
 3930 Facing Sand Binders
 3940 Binders for the Methyl-Formate Process
 3950 Phenolic Resins
 3960 Phenolic Resins (alkaline)
 3970 Polyurethane Binders and Resins
 3980 Swelling Binders
 3990 Swelling Clays
 4000 Quick-Setting Binders
 4010 Silicate Binders
 4020 Silica Sol
 4030 Binders for the SO₂ Process
 4040 Cereal Binders
 4050 Warm-Box Binders
 4060 Water-Glass Binders (CO₂-Process)

09.03. Moulding Sand Additives

4066 Addition Agents
 4070 Iron Oxide
 4080 Red Iron Oxide
 4090 Lustrous Carbon Former
 4100 Pelleted Pitch
 4110 Coal Dust
 4120 Coal Dust Substitute (Liquid or Solid Carbon Carrier)
 4130 Coal Dust (Synthetic)

09.04. Mould and Core Coating

4140 Inflammable Coating
 4150 Alcohol-Based Coatings
 4160 Alcohol-based Granulated Coatings
 4170 Boron-Nitride Coatings
 4180 Coatings, Ready-to-Use
 4190 Mould Varnish

4200 Mould Coating
 4210 Black Washes
 4220 Graphite Blackings
 4224 Lost-Foam Coatings
 4225 Ceramic Coatings
 4230 Core Coatings
 4240 Core Blackings
 4260 Paste Coatings
 4266 Coatings (with metallurgical effects)
 4270 Blackings, in general
 4280 Steel Mould Coatings
 4290 Talc
 4298 Coatings for Full Mould Casting
 4300 Water-based Coatings
 4310 Granulated Water-based Coatings
 4320 Zircon Coatings
 4321 Zircon-free Coatings

09.05. Moulding Sands Ready-to-Use

4340 Sands for Shell Moulding, Ready-to-use
 4350 Sands Ready-to-Use, Oil-Bonded (Water-free)
 4360 Precoated Quartz Sands, Zircon Sands, Chromite Sands, Ceramic Sands
 4370 Moulding Sands for Precision Casting
 4380 Steel Moulding Sands
 4390 Synthetic Moulding and Core Sand

09.06. Moulding Sands Testing

4400 Strength Testing Equipment for Moulding Sand
 4410 Moisture Testing Equipment for Moulding Sand
 4420 Moulding Sand Testing Equipment, in general
 4426 Core Gas Meters for Al + Fe
 4440 Sand Testing

10 Sand Conditioning and Reclamation

4446 Sand Preparation and Reclamation
 4448 Sand Reclamation System

10.01. Moulding Sand Conditioning
 4450 Nozzles for Moistening
 4459 Continuous Mixers
 4460 Continuous Mixers for Cold-Setting Sands
 4470 Aerators for Moulding Sand Ready-to-Use
 4480 Sand Preparation Plants and Machines
 4490 Sand Mullers
 4500 Measuring Instruments for Compaction, Shear Strength, and Deformability
 4510 Measuring Instruments for Mouldability Testing (Moisture, Density, Temperature)
 4520 Mixers
 4550 Sand Mixers
 4560 Aerators
 4567 Vibration Sand Lump Crusher

4568 Vibratory Screens
 4570 Sand Precoating Plants
 4590 Scales and Weighing Control

10.03. Conditioning of Cold, Warm, and Hot Coated Sands

4650 Preparation Plants for Resin Coated Sand

10.04. Sand Reconditioning

4660 Used Sand Preparation Plants
 4662 Batch Coolers for Used Sand
 4664 Flow Coolers for Used Sand
 4670 Magnetic Separators
 4690 Core Sand Lump Preparation Plants
 4700 Reclamation Plants for Core Sands
 4710 Ball Mills
 4720 Sand Coolers
 4730 Sand Reclamation Plants
 4740 Sand Screens
 4760 Separation of Chromite/Silica Sand

10.05. Reclamation of Used Sand

4780 Reclamation Plants, in general
 4785 Reclamation Plants, Chemical-Combined
 4790 Reclamation Plants, Mechanical
 4800 Reclamation Plants, Mechanical/Pneumatic
 4810 Reclamation Plants, Mechanical-Thermal
 4820 Reclamation Plants, Mechanical/Thermal/Mechanical
 4830 Reclamation Plants, wet
 4840 Reclamation Plants, Thermal
 4850 Reclamation Plants, Thermal-Mechanical

11 Moulding Auxiliaries

4880 Mould Dryers
 4890 Foundry Nails, Moulding Pins
 4910 Moulders' Tools
 4920 Mould Hardener
 4950 Guide Pins and Bushes
 4965 High Temperature Textile Fabrics up to 1260 °C
 4970 Ceramic Pouring Filters
 4980 Ceramic Auxiliaries for Investment Foundries
 4990 Ceramic Cores for Investment Casting - Gunned, Pressed, Drawn
 4998 Cope Seals
 5000 Core Benches
 5007 Core Putty Fillers
 5010 Core Wires
 5020 Cores (Cold-Box)
 5030 Cores (Shell)
 5040 Core Boxes
 5050 Core Box Dowels
 5070 Core Adhesives
 5080 Core Loosening Powder
 5090 Core Nails
 5100 Core Powders
 5110 Chaplets
 5130 Tubes for Core and Mould Venting

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5140 Core Glueing
5150 Core Glueing Machines
5155 Cleaners
5160 Adhesive Pastes
5170 Carbon Dioxide
(CO2 Process)
5180 Carbon Dioxide Dosing
Devices
5210 Coal Dust and Small Coal
5220 Chill Nails
5230 Chill Coils
5240 Antipiping Compounds
5260 Shell Mould Sealers
5270 Mould Dryers, Micro-Wave
5280 Screening Machines
5290 Glass Fabric Filters
5300 Strainer Cores
5310 Release Agents

11.01. Moulding Bay Equipment

5312 Glass Fabric Filters
5314 Strainer Cores

12 Gating and Feeding

5320 Covering Agents
5330 Heating-up Agents
5340 Breaker Cores
5350 Strainer Cores
5360 Exothermic Products
5365 Glass Fabric Filters
5370 Insulating Products and Fibres
5375 Insulating Sleeves
5380 Ceramic Filters
5390 Ceramic Breaker Cores
5400 Exothermic Mini-Feeders
5405 Non-Ceramic Foam Filters
5410 Ceramic Dross Filters
5416 Riser (exothermic)
5418 Riser (insulating)
5420 Exothermic Feeder Sleeves
5430 Exothermic Feeding Compounds

13 Casting Machines and Equipment

5436 Pouring Machines and
Equipment
5437 Casting Machine,
without Heating

13.01. Pouring Furnaces and their Equipment

5440 Aluminium Dosing Furnaces
5450 Pouring Equipment
5460 Pouring Ladles
5461 Pouring Ladles, Insulating
5468 Pig and Ingot Casting
Machines
5470 Pouring Equipment for Moulding
Plants, Railborn or Crane-operated
5480 Pouring Ladles
5485 Pouring Ladles, Electrically Heated
5490 Drum-Type Ladles
5500 Ingot Casting Machines
5510 Low Pressure Casting
Machine

13.02. Die Casting and Accessories

5530 Trimming Presses for
Diecastings
5540 Trimming Tools for Diecastings
(Standard Elements)
5545 Exhausting and Filtering Plants for
Diecastings
5550 Ejectors for Diecasting Dies
5560 Ejectors for Diecasting Dies (Man-
ganese Phosphate Coated)
5570 Feeding, Extraction, Spraying, and
Automatic Trimming for Diecasting
Machines
5580 Trimming Tools
5600 Dosing Devices for
Diecasting Machines
5610 Dosing Furnaces for
Diecasting Machines
5620 Diecasting Dies
5630 Heating and Cooling Devices for
Diecasting Dies
5640 Diecasting Machines
5641 Diecasting Machines and Plants
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5650 Diecasting Machine Monitoring
and Documentation Systems
5660 Diecasting Coatings
5670 Diecasting Lubricants
5675 Lost Diecasting Cores
5680 Diecasting Parting Agents
5689 Venting Blocks for HPDC Dies
5690 Extraction Robots for
Diecasting Machines
5695 Frames and Holders for
Diecasting Dies
5700 Spraying Equipment for Diecasting
Machines
5710 Goosenecks and Shot Sleeves
5720 Hand Spraying Devices
5730 Heating Cartridges
5740 High-duty Heating Cartridges
5750 Hydraulic Cylinders
5760 Core Pins
5770 Cold Chamber Diecasting Machi-
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5780 Pistons for Diecasting Machines
5790 Piston Lubricants
5800 Piston Spraying Devices
5810 Mixing Pumps for Parting Agents
5815 Electric Nozzle Heatings
5817 Oil Filters
5820 Melting and Molten Metal Feeding
in Zinc Die Casting Plants
5830 Steel Molds for Diecasting Machines
5838 Heating and Cooling of Dies
5840 Temperature Control Equipment for
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