Serial production of green sand castings

15m³ Charging cars
Serial production of green sand castings

Batching of alloys and carbon carrier
Dust extraction
Serial production of green sand castings

Cupola melting and Iron treatment
Iron logistic to pouring station
Serial production of green sand castings

Continuous shake-out/cooling / shot blasting and finishing

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Foundry Technologies
Serial production of green sand castings

Castings handling with acceptable noise and dust emissions
Serial production of green sand castings
Serial production of green sand castings

Castings handling with shake-out, cooling shot blasting and sorting

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Serial production of green sand castings

Green sand preparation with fluid bed cooler and speedmuller-mixer

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Serial production of green sand castings

GrainWasher
Reclamation of mix-sand after selective shake-out

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Foundry Technologies
Serial production of green sand castings

Extraction of diffuse emissions
Serial production of green sand castings

Principle of efficient dust extraction
Serial production of green sand castings

Secondary de-dusting

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Foundry Technologies
Serial production of green sand castings

Foundry planning
Serial production of green sand castings

LuK Foundry for brake discs

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Serial production of green sand castings

Integrated steel foundry concept
Whether castings or sand we know how to handle & treat it.
Investment castings made in No-bake sand

Induction Furnace Charging plant with Kangaroo & Jumbo

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Investment castings made in No-bake sand

Continuous Mixing

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Shake-out station
Large castings made in No-bake sand

Shake-out cabin
Large castings made in No-bake sand

Sinter lab
Investment castings made in No-bake sand

Vibratory lump breaker
Large castings made in No-bake sand

3rd Generation Air-Lift

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Large castings made in No-bake sand

Reclaimed sand cooler
Large castings made in No-bake sand

Turbine casing
Large castings
made in
No-bake sand

Mixing | shaking out | reclaiming
Full sand cycle at one stop
Cupola melting

Scrap batching by charging crane
Cupola melting

Scrap batching by vibrating feeder
Cupola Melting

Coke and additive batching
Cupola melting

45 tph green field plant

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Cupola melting

Section of conical lining less dry bottom cupola
Cupola melting

Dry slag granulation
Cupola melting

Cupola with iron runners to holding furnace
Cupola melting

De-Sulphurisation with skaying ladles
Cupola melting

Supersonic oxygen injection
Cupola melting

80 stph cupola with raw gas combustion & hot blast generation
Cupola melting

Cold blast cupola with gas cooler & baghouse
Cupola melting

Gas cooler for a 40 tph cupola
Cupola Melting
Heat Recovery

Thermal oil systems
Power/steam generation
Drying & heating processes
Cooling tower and filter
Envirofriendly making of Foundry Iron from variable & cheap source
Aluminium swarf briquetting
NF Metal Recycling

Aluminum remelting and refining
Shaft furnace for aluminium melting
Bath smelting furnace for copper
NF Metal Recycling

Rotary Furnace

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NF Metal Recycling
Holding furnace for copper
NF Metal Recycling

Refining of tin alloy
NF Metal Recycling

Tiltable Reverb Furnace
NF Metal Recycling

Shaft Furnace

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NF Metal Recycling
NF Metal Recycling

Converter Furnace
Combustion chamber with intensive gas mixing
Recycling of precious non ferrous metals saves our resources.
Process automation

Electric cabinets

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Process automation

Human - machine interface
Küttner Group

Essen, Headoffice