

Aluminium Umschmelzwerk IA2541, gebraucht



Hersteller : Sonstige

Produktnummer:
IA2541

Beschreibung

Aluminium remelting plant

| | |
|-----------------|---|
| Input materials | Aluminium scrap, schredder scraps, lacqured |
| Capacity | Approx. 120 t/Tag |
| Final product | 8 - 12 kg ingots |
| Comments | |

Charging machine

| | |
|---------------------|--|
| Manufacturer | GHI - GUINEA HERMANOS INGENIEROS |
| Type | vibration chute moveable by rails, liftable by hydraulic scissor |
| Year of Manufacture | 2008 |
| Capacity chute | 7500 kg |
| Lifting height | 3500 mm |
| Table size | 80 A, 400 V, 3-Phasen, 50 Hz |

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Melting Furnaces

| | |
|----------------------------------|--|
| Manufacturer | GHI - GUINEA HERMANOS INGENIEROS |
| Type | Shaft furnace TFA 5, fixed |
| Year of Manufacture | 2008 |
| Capacity chute | 25 t |
| Melting rate | 5 ton/h |
| Heating | Propan |
| Burner | North American |
| Type | With flame detecor |
| Burner capacity | 2.800.000 kcal |
| Number | 4 |
| Input material | Aluminium scrap, Schredder scraps, lacqured |
| Burner fan | 30 kW |
| Max. temperature in furnace room | 1100 °C |
| Dimensions (LxBxH) | 5000 x 6200 x 7200 |
| Electrical connection | 30 KW, (60 A), Burner fan 22 kW (44 A) hydraulic group (total with furnace TFA·5 und RAN-R-25-B), 400 V, 3Ph, 50 Hz. |

Melting furnace with metal pump LOTUS and vertical vibrations conveyor for swarfs

| | |
|--------------------------------|---|
| Manufacturer | TECHNI-THERM |
| Type | Heard furnace, hydraulically tiltable |
| Year of Manufacture | 2010 |
| Furnace dimensions | 24 t |
| Outside | |
| Width | 6700 mm |
| Length | 4700 mm |
| Inside | |
| Width | 3600 mm |
| Length | 3500 mm |
| Furnace height | 4400 mm |
| Bath height | 800/900 mm |
| Furnace door | 3000 x 632 mm |
| Installed power | 2500 kW |
| Heating | Propan gas, max. 290 Nm ³ /h, Oxygen |
| Input materials | Scrap and swarfs |
| Furnace door dimension (L x H) | 4700 x 1200 mm |
| Charging opening top | 900 800 mm |
| Metal pumps | LOTUS, Type TT 35 SO, 11 kW |

| Holding/casting furnaces | |
|--------------------------|----------------------------------|
| Manufacturer | GHI - GUINEA HERMANOS INGENIEROS |
| Type | Hydraulisch kippbarer Herdofen |
| Year of Manufacture | 2008 |
| Capacity | 25 t |
| Furnace bath | |
| Width | |

Holding/casting furnaces

| | |
|--------------------------------|---------------------------------|
| Bath height | 950 mm |
| Bath length | 3400 mm |
| Furnace outer dimensions | |
| Width | 8600 mm |
| Length | 6500 mm |
| Height | 7800 mm |
| Installed power | 2.500.000 kcal/h |
| Heating | 2500 kW |
| Heating | |
| Type | North-American Mfg. Co Allumage |
| Burner power | |
| Number | 2 |
| Burner air fan | 18,5 kW, 3000 U/min |
| Input material | Liquid metal |
| Furnace door dimension (L x H) | 4700 x 1200 mm |

Ingot casting line

| | |
|-----------------------------------|---------------|
| Manufacturer | System Fuss |
| Type | Casting wheel |
| Year of Manufacture | 2008 |
| Ingot weight | 8 – 12 kg |
| Casting rate / h | ca. 5 t/h |
| Heating moulds | Burner |
| Type of cooling moulds | Water / air |
| Atotomatic ingot stacking machine | yes |

Line dimensions

| Ingot casting line | |
|----------------------------|-------------------------------------|
| Length casting belt | 19425 mm |
| Cooling line | 10080 mm |
| Total length with stacking | 42070 mm |
| Cooling water | Cooling tower, internal circulation |

| Waste gas filter plant | |
|---|----------------------------------|
| Manufacturer | SEMECA |
| Year | 2008 |
| Waste gas amount melting furnaces 1 + 2 | 60.000 Nm ³ /h |
| Waste gas amount after after-burner | 15.000 m ³ /h |
| Waste gas amount furnace hoods | 10 a´ 15.000 m ³ /h |
| Waste gas amount holding furnaces | 5 a´ 8.000 m ³ /h |
| Waste gas amount Furnace hoods | 20 a´ 25.000 m ³ /h |
| Total Waste gas amount | 115 a´ 120.000 m ³ /h |
| Capacity data | |
| Total dust | |
| Law | 40 mg/Nm ³ |
| Gurantee SEMECA | < 20 mg/Nm ³ |
| Dioxin | |
| Law | 0,1 ng/Nm ³ |
| Gurantee SEMECA | 0.1 ng/Nm ³ |
| HCl | |
| Law | 50 mg/Nm ³ |
| Gurantee SEMECA | < 50 mg/Nm ³ |
| Delivery time | immediately |
| Price | on request |

