Data Sheet

Reference No.:43336

Dövme presi -hidrolik-

Brand: SIEMPELKAMP
Model: ISOTHERM SCHMIEDEANLAGE
YoM, approx.: 2016 used
Reconditioned:
Controls:

PRES-KONSTRÜKSİYON

drive system: hydraulic
openings in uprights: evet
number of suspensions: 1
Koç sayısı: 1
slide ejectors / cushion: evet
opening in table: hayır

PRES GÜCÜ

Toplam-nominal güç: 800 to

PRES MASASI

Bağlama alanının genişliği (sol – sağ): 1300 mm
Bağlama alanının genişliği (ön – arka): 1300 mm

KOÇ

Strok (kurs): 700 mm

slide ejector / cushion

Güç: 5 to
Strok (kurs): 20 mm

BAĞLAMA EBATLARI

distance table - slide max.: 1200 mm
distance between columns (H-frame): 1325 mm

ELEKTRİK DEĞERLERİ

Enerji sarfiyatı (toplam): 400 kW

EBATLAR / AĞIRLIK

Komple Yüksekliği: 6100 mm
Toplam ağırlık yaklaşık: 55000 kg

Attachments (presses)

press automation: evet
güncel Kaza Koruma Kanunlara uygun: evet
European CE standards: evet

Additional Information:

Isothermal forging is a type of forging process that involves shaping a material while maintaining its temperature at a constant level throughout the forging process.
The key advantage of isothermal forging is that it allows the production of complex, high-precision parts that would be difficult or impossible to create using other forging methods. The constant temperature also helps to prevent defects such as cracking, which can occur when a material is cooled too quickly after being shaped.
Isothermal forging is commonly used in the production of components for high-performance applications such as aerospace, automotive engineering and orthopedic implants, where the strength, durability, and precision of the parts are crucial. It can be used with a wide range of materials, including steel, titanium, and aluminum alloys, among others.

The isothermal forging cell essentially consists of the following components:
- Forging press Siempelkamp 800 to from year of construction 2016
- Attachments for cell enclosure (charging and cleaning side)
- Inductive die heating (upper and lower die)
- Rotary hearth furnace FK DH11/13E from year of construction 2016,
  54 KW, max. temp. 1300 °C
  for titanium and nickel alloys
- Universal charging manipulator with max. handling weight 8 kg
- Inductive die heating ITG ITPA 2k80+80 From year of construction 2015, 200 kVA
- Technical equipment for controlled purging of the enclosure with nitrogen
  and for controlled ventilation of the enclosure with atmospheric air
- Oxygen measuring equipment
- Feed lock DN 500 for max. component dimensions 350 x 250 x 100 mm
- Furnace airlock
- Set-up doors on the operator side of the press cell
- Hydraulics with max. operating pressure power consumption 35 kW
- Electrical system

Seller:

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Photos & Documents

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