

Características técnicas:

Nº de referencia 43336

forging press -hydraulic-

Marca: SIEMPELKAMP
Modelo: ISOTHERM SCHMIEDEANLAGE
Año de fabricación: 2016 used
Reconstruida:
Control:



Tipo de prensa

Sistema de accionamiento:
Hidráulico
Paso entre montantes lateral (paso banda): Sí
Número de bielas / Cilindros: 1
Número de correderas: 1
Expulsor superior: Sí
Agujero mesa: No

Fuerza

Fuerza total: 800 to

Mesa inferior

Anchura de la superficie de sujeción: 1300 mm
Profundidad de la superficie de sujeción: 1300 mm

Carro

Carrera: 700 mm

Expulsor superior

Fuerza nominal: 5 to
Carrera: 20 mm

Dimensiones de trabajo

Distancia máx. entre platos: 1200 mm
Paso entre montantes frontal: 1325 mm

Datos de conexión eléctricos

Consumo de energía eléctrica (total): 400 kW

Dimensiones / peso

Altura total: 6100 mm
Peso total aprox.: 55000 kg

Accesorios/Anexos (Prensas)

Automatismo de prensa: Sí
acc. to actual accident protection regulation: Sí
Certificado CE: Sí

Información adicional:

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
- Hydraulics with max. operating pressure power consumption 35 kW
- Electrical system

Vendedor:

ProdEq Trading GmbH
Frank Goedicke
Reckholder 1, 9527 Niederhelfenschwil, St
+41 71 948 70 60
frank.goedicke@prodeq.ch

Fotos y documentos

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