

## Data Sheet

Reference No.:43336

### forging press -hydraulic-

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



#### Costruzione

sistema di azionamento: idraulica  
apertura verso l'alto: sì  
numero di bielle / cilindri: 1  
numero di azioni slitta: 1  
slide ejectors / cushion: sì  
apertura nella tavola: no

#### Forze

forza totale: 800 to

#### Piano sotto

Superficie di serraggio larghezza: 1300 mm  
Superficie di serraggio profondità: 1300 mm

#### Slitta

corsa: 700 mm

#### slide ejector / cushion

forza nominale: 5 to  
corsa: 20 mm

#### Montaggio Stampi

distance table - slide max.: 1200 mm  
luce anteriore tra le colonne: 1325 mm

#### Dati elettrici di collegamento

potenza assorbita (totale): 400 kW

#### Misure / pesi

Altezza totale: 6100 mm  
Peso totale approssimativo: 55000 kg

#### Accessori (pressa)

automazione pressa: sì  
acc. to actual accident protection  
regulation: sì  
conforme CE: sì

#### 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 320 bar, power consumption 35 kW
- Electrical system

#### Seller:

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**Photos & Documents**

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