Data Sheet

Reference No.: 43336

Гидравлический ковочный пресс

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

Тип пресса

drive system: hydraulic
Отверстия в стойках: yes
Количество шатунов / цилиндров: 1
Количество действий ползуна: 1
Выталкиватель ползуна / Подушка ползуна: yes
Сквозное отверстие в столе: no

Усилие прессования

Общее номинальное усилие: 800 to

Стол пресса

Зажимная поверхность (слева направо): 1300 mm
Зажимная поверхность (перед-зад): 1300 mm

Ползун

Ход: 700 mm

Выталкиватель ползуна / Подушка ползуна

nominal force: 5 to
Ход: 20 mm

Установочные габариты инструмента

Расстояние стол - ползун, макс.: 1200 mm
Расстояние между стойками (лево-право): 1325 mm

Данные электр. Подключения

Общая потребляемая мощность: 400 kW

Габариты / вес

Общая высота: 6100 mm
Общий вес (около): 55000 kg

Дополнительное оборудование (пресса)

Автоматизация пресса: yes
Соответствует действующим нормам предотвращения несчастных случа: yes
Знак CE: yes

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 enclo atmospheric air
- Oxygen measuring equipment
- Feed lock DN 500 for max. component d 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

Seller:

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Photos & Documents

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