

FOR SALE

Niebling NSC 100M Servo Punch (2022)

Included in lot 29831-1

<https://www.allsurplus.com/asset/1/29831>

This information is provided from the original Niebling order confirmation. Liquidity Services does not have the technical expertise to inspect the equipment itself and guarantee that the equipment is exactly as described in Arburg's original order confirmation. Prospective buyers are reminded that they should inspect the equipment and satisfy themselves as to the presence of the items listed and their condition before submitting offers or bids.

Items such as delivery, commissioning, training, remote service, remote monitoring, production & set up assistance that are not capable of being sold or transferred have been excluded.

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10

ST KW.43.21

NSC-100M

Latest technology for punching 2D and 3D plastic films and laminates

Features

- Digital key system (RFID) for various authorization levels
- Software visualization on touchscreen user interface
- Simple, software-controlled setup mode
- Safety light barriers and two-hand operating concept
- High stroke for improved handling and automation options
- Possibility of implementing robot handling
- Accessibility from the front and rear
- Pressure measurement
 - o To warn of any irregularities
 - o To detect tool wear early
- Longer tool life due to:
 - o Absolutely precise stroke adjustment options
 - o Absolutely precise repeatability

Special features (can be deselected upon customer request)

- RFID tool recognition
- Hydraulic power unit for easy loading and unloading of tools
- Connections for power, compressed air, and vacuum including integrated unit

- Hydraulic clamping system for tool adjustment

Specifications

Pressure capacity 100 kN
Stroke 350 mm
Nominal speed 200 mm/s
Acceleration 1000 mm/s²
Force measurement resolution 5 N
Displacement measurement: Absolute encoder
Resolution 0.06 µm
Repeatability < 0.01 mm

Tool specifications

Installation height min. 260 mm
Tool dimensions (LxW) max. 800 x 500 mm
Tool height max. 500 mm (at 100 mm stroke)
Weight (total) max. 1000 kg
Weight (upper part) max. 500 kg
Operating conditions
Temperature range (operation) 15 °C - 40 °C (no significant temperature fluctuations)
Storage, transport 40 °C
Humidity (relative) max. 40 - 70%
Floor load capacity min. 1.5 t/m²

Cleanliness

- Precision mechanical manufacturing environment
- No dust infestation
- No aggressive air
- No salt content in the air

Size and Weight

Dimensions (L x W x H) Installation dimensions upon request
Weight approx. 3500 kg

Power supply

Connected load 10 kW
Nominal power tbd
Nominal voltage 400 V
Control voltage 24 V DC
Voltage fluctuation ± 10%
Nominal current tbd
Mains fuse 32 A
Protection class I (protective conductor)
Protection class IP54

Compressed air supply

Operating pressure 6 bar

Air quality: non-lubricated

I/O interfaces

PROFINET bus system, for Siemens components

Ethernet network

Noise emission

Emission sound level (A-weighted) < 70 dB(A)

Safety-relevant components of the control system according to ISO 13849-1: 2015

Prevention of unexpected start-up of pneumatic drives PL: c

Prevention of unexpected start-up of SEW electric drives PL: d,
Category 3

Prevention of unexpected start-up of LT electric drives PL: e (SIL 3)

Emergency stop PL: e (SIL 3)