

Ultrasonic welding actuator UWA 20-100

Highly precise, rigid pneumatic 20 kHz ultrasonic actuator designed for special units and automatic production - lines.

This actuator is made for welding applications of thermoplastic parts medium till large size as well as riveting and cutting applications



PRODUCT DESCRIPTION

Double actuated pneumatic cylinder Ø 63mm = 1800 N with 6 bar air pressure

Precisions linear guides, pre-adjusted, working stroke 100mm

Adjustable dept Stop

Hydraulic shock absorber

Integrated air pressure controller

Integrated air pressure gauche

Integrated home position switch

Integrated safety switch

Integrated solenoid valve

Integrated differential pressure trigger with interface print

Mounting plate for vibrating system with integrated gap for accurate fixation

Easy fixation with only 4 bolts and 4 levelling screws

DIMENSIONS

Height till end of booster : 531,5mm

Width : 88,0mm

Depth : 178,0mm

Clearance till middle of horn : 142,5mm

Weight without booster + converter: ca. 12,5kg

BOOSTER

Aluminium Booster 1:1 / 1:1,5

Titanium Booster 1:2 / 1:2,5 / 1:3

HORNS

For 20 kHz horns made out of Aluminium, Titanium and hardened steel

GENERATORS

Designed for 20 kHz generators VC, VV and VP with 1000, 1500, 2000 and 3000 watt power