

Compact ultrasonic welding actuator UWA 35-100

Highly precise, rigid pneumatic 35 kHz ultrasonic actuator designed for special units and automatic production – lines.

This actuator is made for welding applications of thermoplastic parts smaller till medium size as well as riveting applications.

UWA 35-100



DESCRIPTION

- Double actuated pneumatic cylinder diam. 40 mm = 750 N with 6 bar air pressure
- Precision linear guides, pre adjusted working stroke 100mm

• Adjustable depth stop
• Integrated home position sensor
• Integrated safety switch
• Optional with micrometer screw to activate end switch off for absolute welding
• Converter housing with door for easy replacement of vibrating system
• Easy fixation with only 4 bolts
DIMENSIONS
Height till end of booster : 463,5mm
Width : 80mm
Depth : 93,5mm
Clearance till middle of horn : 58mm
Weight without booster + converter : 3,9kg
BOOSTER
Aluminium Booster 1:1 / 1:1,5
Titanium Booster 1:2 / 1:2,5 / 1:3
HORNS
For 35 kHz horns made out of aluminium, titanium and hardened steel.
GENERATORS
Designed for 35 kHz generators VC, VV and VP with 600 watt and 900 watt power
TRIGGER
Interface trigger box ITB-1, ITB-2 or delay timer

With build in depth stop. Adjustable welding depth with micrometer screw.
Length of stroke max. 25 mm.

