

UWA 20 - 100

Consulting

Know how

Quality

Service

SWISS-SONIC
Ultraschalltechnik
Jürg Bernet
Seemoosholzstr. 14
CH-9320 Arbon
T +41 71 680 08 05
F +41 71 680 08 06
info@swiss-sonic.ch
www.swiss-sonic.ch



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 63 mm = 1800 N with 6 bar air pressure.
- Precisions linear guides, pre-adjusted, working stroke 100 mm.
- Adjustable dept stop.
- Hydraulic shock absorber.
- Integrated air pressure controller.
- Integrated air pressure gauge.
- 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 : 531,5 mm
 Width : 88,0 mm
 Depth : 178,0 mm
 Clearance till middle of horn : 142,5 mm
 Weight without booster + converter : ca. 12,5 Kg

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 Aluminum, Titanium and hardened steel.

Generators

Designed for 20 kHz generators Cobra, Viper and Python with 1000, 1500, 2000 and 3000 watt power.