

## UWA 35-100

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 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 to medium size as well as riveting and cutting applications.

### Productdescription

- Double actuated pneumatic cylinder Ø 40 mm = 750 N with 6 bar airpressure
- Precisions linear guides, preadjusted working stroke 100 mm
- Adjustable dept stop.
- Integrated home position sensor.
- Integrated safety switch.
- Optional with micrometer screw to activate end switch off for absolute welding.
- Converterhousing with door for easy replacement of vibrating system.
- Easy fixation with only 4 bolts.

### Dimensions

Height till end of booster : 463,5 mm  
Width : 80,0 mm  
Depth : 93,5 mm  
Clearance till middle of horn : 58,0 mm  
Weight without booster + converter : 3,900 Kg

### 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 Cobra, Viper and Python with 600 watt and 900 watt power.

### Trigger

Interface triggerbox ITB-1, ITB-2 or delay timer.