cutting sealing punching welding

Altrasonic

Multi-Application in Automobile

Components interior (DP, IT, side panel, center console, door trim…)
Components Exterior (rear spoiler, rocker panel…)
Outer parts (mudguard, engine cover, bumper, wheel cover, grill…)
Internal parts (armrest in the door, door panel, dashboard, glove compartment, frame of navigator, central tunnel, trim strip, back cushion, canister, radiator,
oilcan, breaker oilcan, blast pipe)

Different Welding Technology

Swatting welding applied in the door, door panel, emblem, dashboard, glove compartment, frame of navigator, instrument board of dashboard, central panel, fender, central tunnel, trim strip, back cushion.
Hot-plate welding: Lamp, canister, radiator, oilcan, breaker oilcan, blast pipe

Advantages in Auto Industry

1. Application in cutting, forming and welding
2. Light weight, easy to turn, easy to operate (handheld)
3. Equipped with welding timer
4. Easy to set time welding
5. Equipped with an overload protection circuit (Voltage, current, phase, temperature output)
6. FET power output
7. Automatic resonance
8. Maintain the amplitude function automatically
8. Starting achieving maximum power with 100msec

电话：0086-(571)88638953
传真：0086-(571)88635972
公司地址（杭州）：浙江省杭州市富阳区银湖街道九龙大道398号富春硅谷创智中心1号楼1101室
Room 1101, Building 1#, No.398 Kowloon Avenue, Yinhu Street, Fuchun Silicon Valley, Fuyang District, Hangzhou City, Zhejiang Province, China, 311400
公司地址（上海）：上海市嘉定区方泰镇嘉松北路3861号
No.3861 Jiasong North Road, Fangtai Town, Jiading District Shanghai Province，China.

https://altrasonics.en.alibaba.com
http://www.ultrasonicweldingtransducer.com
http://www.altrasonicautomation.com
http://www.altrasonic.com/

Altrasonic

杭州浩索超声波科技有限公司

Hangzhou Altrasonic Technology Co., Ltd.

汽车工业

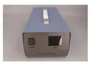
Automotive Industry

cutting sealing punching welding Altrasonic

Ultrasonic (Generators / Power supply)

Benefits:

Dynamic reduction of start-up time achieves shorter cycle times
Reliable and constant sealing process due to compensation of temperature drifts in the resonance frequency
Maximum repeatability for consistently high product quality
Comprehensive documentation of the welding process
Simple and intuitive operation with touchscreen (Premium)
Universal use because of customizable interface module



Technical details:

Frequency: 35, 30, 20kHz
Welding capacity: 500 – 4000W
Models: Economy, Advanced, Premium
Energy welding, external US-stop, time welding, continuous welding
Interface module

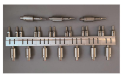
Ultrasonic (Converters / Transducers)

Benefits:

Connecting plug accept custom-made
High-quality materials and selected material combinations guarantee perfect oscillation for a continuously stable process
High efficiency for perfect vibration transfer
Long life time – also at high amplitudes

Technical details:

Frequency: 35, 30, 20kHz
Power: 1000, 2000, 4000W
Lightweight design version available



cutting sealing punching welding Altrasonic

Ultrasonic Boosters

Benefits:

Numerous transformation ratios for various application
Optionally with or without holding ring for simple mounting near weld
Can be used for bridging longer distances as economically and efficient solution
For a gentle amplitude increase or reduction

Technical details:

Amplitude increase or reduction from 1:2 to 1:0.5
Frequency: 35khz, 30khz, 20khz
Execution with or without holding ring

Ultrasonic Sonotrodes

Benefits:

Multiple sonotrode geometries and anvil designs for various applications available
Long lifetime due to individual selection of the sonotrode material suitable for the specific plastic material
Best weld results because of exact vibration characteristics of the sonotrode
Long lifetime due to FEA-calculation of the best vibration characteristics
The innovative mounting device guarantees a stable process with hardly any temperature expansion

Technical details:

Frequency: 35khz, 30khz, 20khz
Materials: titanium, steel, aluminum, diverse coatings
Boosters available with different transformation ratios

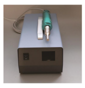
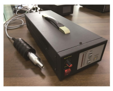
cutting sealing punching welding Altrasonic

Ultrasonic 30Khz/35Khz Hand Weld Unit

Benefits:

Ergonomic handing, thanks to practical pistol or rod version
Various standard operating modes for many fields of application
Monitoring of weld energy intake in order to control the applied weld pressure
Intuitive graphic display of multiple parameters for easy process monitoring
Non-slip grip surface with a comfortable ergonomic shape to guarantee a fatigue-proof and save working environment

Technical details:

30Khz/35Khz 1000w
Available in 220V or 110V
Automatic resonance frequency range: ±1000hz
Working Environment: +5~+50℃
Keeping Environment: -5~+70℃
weight of generator: 7kg
weight of hand gun: 2kg
Max current: 15A

Application:
Manual welding