



Marck

T e c h n o



APPLICATION OF ULTRASONIC WELDING MACHINE

1. Houseware Appliances:

Scrubber, Foam Pad, Refrigerator, Vacuum Cleaner, Electronic Toothbrush, Hot Plates, Spice Rack, Steel Spoon Plastic Cover, Vegetable Cutter.

2. Computer Electricals:

Charger, Battery, Switches, Connectors, Handsfree.

3. Novelties:

Toys, Sports Accessories, Stationery Items

4. Medical:

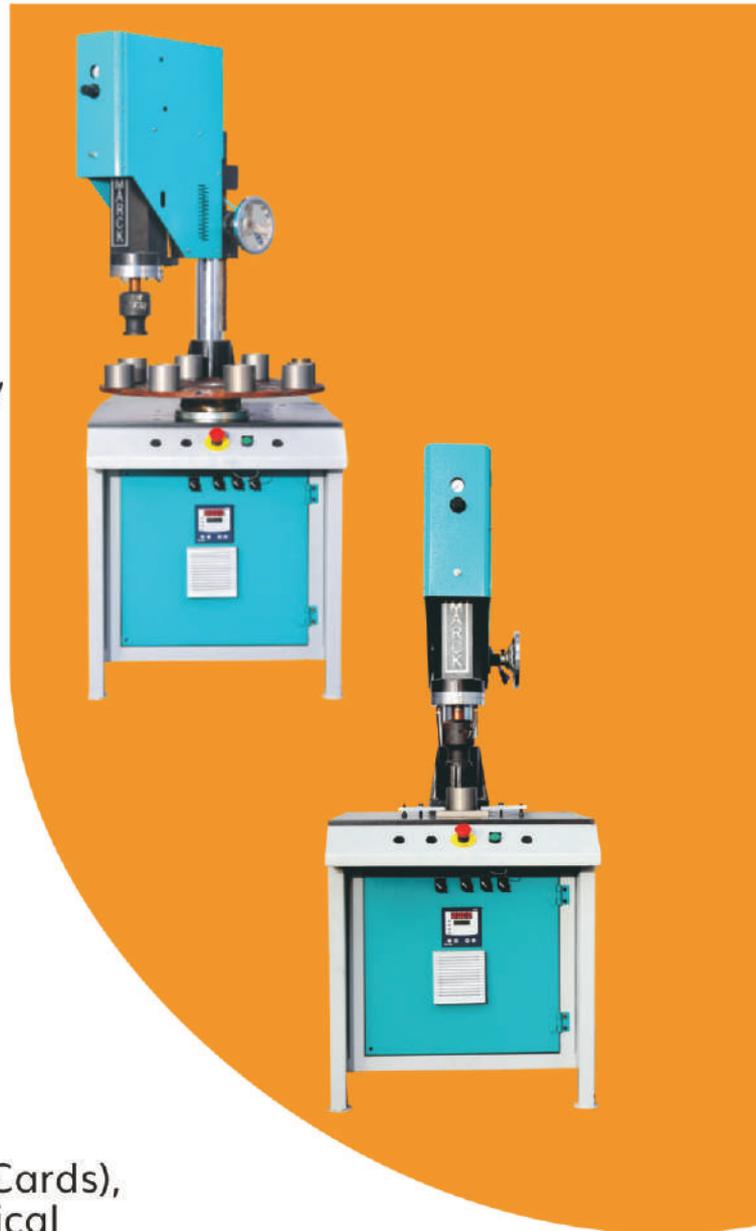
Disposables, Containers, Masks, Injections, Asthma Inhaler.

5. Packaging:

Ziplock Bag, Handlebag, Toothpick Box, Pvc Box, Transparent Box, P P Corrugated Box.

6. Miscellaneous:

Automobile, Impeller, Lanyard (I D Cards), Seatbelt, Non-woven, Velcro, Electrical Adapter, Water Bottle, Road Reflector, Outer Body of Electric Transformer, Outer Ring of Fan, Tarpaulin

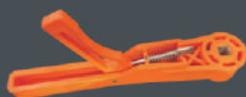


MT 01 : ULTRASONIC WELDING MACHINE

MODEL NO.	MT 01 (20/1500)	MT 01 (18/1500)	MT 01 (20/2000)	MT 01 (15/2600)	MT 01 (15/3200)
OUTPUT FREQUENCY	20KHZ 1500W	18KHZ 1500W	20KHZ 2000W	15KHZ 2600W	15KHZ 3200W
INPUT POWER	220V, 1P				
WEIGHT	90 KG	90 KG	95 KG	100 KG	100 KG
DIMENSIONS (MM)	460*700*1100 (L*B*H)	460*700*1100 (L*B*H)	460*700*1100 (L*B*H)	460*700*1100 (L*B*H)	460*700*1100 (L*B*H)
WELDING TIME	0 – 9.99 SEC	0 – 9.99 SEC	0 – 4.99 SEC	0 – 4.99 SEC	0 – 4.99 SEC
MAXIMUM STROKE	80MM	80MM	80MM	80MM (VARIABLE)	80MM (VARIABLE)
WELDING AREA	UPTO 90MM DIAMETER	UPTO 100MM DIAMETER	UPTO 105MM DIAMETER	UPTO 120MM DIAMETER	UPTO 150MM DIAMETER
PRODUCTION SPEED	08-15 PCS/MINUTE	08-15 PCS/MINUTE	10-20 PCS/MINUTE	10-20 PCS/MINUTE	15-20 PCS/MINUTE
CLAMPING HEIGHT	50-350MM	50-350MM	50-350MM	50-350MM	50-350MM
COMPRESSOR REQUIRED	2HP	2HP	2HP	2HP	2HP

FEATURES:

- PLC Control of welding and holding
- Imported transducer (powerful & stable)
- Automatic overload protection device against inaccurate operation in high frequency
- Adjustable structure of 4 bolt balance (convenient adjusting bolt)
- 15 kHz / 4200 w is also available



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MT 02 : TABLETOP ULTRASONIC WELDING MACHINE

MODEL NO	MT 02 (20/1500)	MT 02 (15/2600)
OUTPUT FREQUENCY	20KHZ 1500W	15KHZ 2600W
INPUT POWER	220V, 1P	220V, 1P
WEIGHT	140 KG	150 KG
DIMENSIONS (MM)	650*650*1700 (L*W*H)	650*650*1700 (L*W*H)
WELDING TIME	0-9.99 SEC	0-4.99 SEC
MAXIMUM STROKE	80MM	80MM
WELDING AREA	UPTO 90MM	UPTO 150MM
PRODUCTION SPEED	10-15 PCS/MINUTE	15-20 PCS/MINUTE
CLAMPING HEIGHT	50-350 MM	50-350 MM
COMPRESSOR REQUIRED	2HP	3HP

FEATURES:

- Plc panel with weld & hold time
- It saves production cost
- Good quality & less maintenance
- Easy to work on tabletop model



MT 03 : ROTARY TYPE ULTRASONIC WELDING MACHINE

MODEL NO	MT 03 (20/1500)	MT 03 (15/2600)
OUTPUT FREQUENCY	20KHZ 1500W	15KHZ 2600W
WEIGHT	190 KG	190 KG
DIMENSIONS (MM)	650*650*1700 (L*W*H)	650*650*1700 (L*W*H)
WELDING TIME	0-9.99 SEC	0-4.99 SEC
MAXIMUM STROKE	80MM	80MM (VARIABLE)
WELDING AREA	UPTO 90MM	UPTO 150MM
PRODUCTION SPEED	12-20 PCS/MINUTE	15-25 PCS/MINUTE
CLAMPING HEIGHT	50-350 MM	50-350 MM
COMPRESSOR REQUIRED	2HP	3HP



FEATURES:

- Fast production with less manpower
- Can be operated at variable speed
- Choice of station, 4,6 & 8
- Fast welding process with high quality bond



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MT 05 : P P CORRUGATED BOX WELDING MACHINE

MODEL NO	MT 05 (20/1500)	MT 05 (15/2600)
OUTPUT FREQUENCY	20KHZ 1500W	15KHZ 2600W
WEIGHT	250 KG	250 KG
DIMENSIONS (MM)	650*1600*2000 (L*W*H)	650*1600*2000 (L*W*H)
WELDING TIME	0-9.99 SEC	0-4.99 SEC
MAXIMUM STROKE	80MM	80MM
WELDING AREA	20*20 MM	30*30 MM
PRODUCTION SPEED	8-12 SHOT/MINUTE	10-15 SHOT/MINUTE
COMPRESSOR REQUIRED	2HP	3HP

FEATURES:

- WELDING UPTO 1300MM (L*W*H)
- UPTO 3000 GSM WELDING



MT 06 : HOT PLATE WELDING MACHINE

MODEL NO	MT 06
INPUT POWER	220V, 1P
WEIGHT	250 KG
DIMENSIONS (MM)	1219*762*914
PRODUCTION SPEED	2-4 PCS/MINUTE

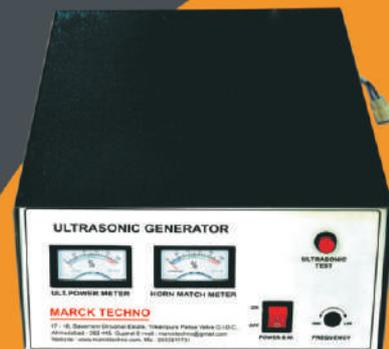
FEATURES:

- It suitable for complex thermoplastic joints



MT 07 : ULTRASONIC GENERATOR

MODEL NO.	MT 07 (20/1500)	MT 07 (20/2000)	MT 07 (18/2000)	MT 07 (15/2600)	MT 07 (15/3200)
RANGE	20KHZ 1500W	20KHZ 2000W	18KHZ 2000W	15KHZ 2600W	15KHZ 3200W
POWER	1500W	2000W	2000W	2600W	3200W



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MT 08 SPIN WELDING MACHINE

MODEL NO.	MT 08 VFD	MT 08 SERVO
MOTOR	1.5 KW VFD (AUTOMOTIVE)	3 KW SERVO (SCHNEIDER)
INPUT VOLTAGE	3PH AC	3PH AC
POWER	1500W	3000W
WELDING AREA	10-300 MM	10-300 MM
USAGE	THERMOPLASTIC WELDING	THERMOPLASTIC WELDING
OSCILLATION TIME	0-99 ROTATION	0-99 ROTATION
WEIGHT	160 KG	160 KG
DIMENSIONS (MM)	650*650*1960 (L*W*H)	650*650*1960 (L*W*H)
MAXIMUM WELDING STROKE	80MM	80MM
WELDING HEAD ADJUSTMENT	300 MM	300 MM
PRODUCTION SPEED	2-8 PCS/MINUTE	2-8 PCS/MINUTE

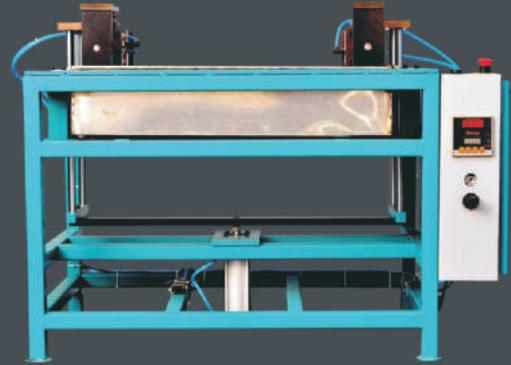
FEATURES:

- Automatic clamping for article
- The accuracy of a servo motor is ± 0.1 degree
- Rotation direction counter-clockwise and anticlockwise
- Most suitable for welding thermoplastics with low heat conductivity
- Can be configured to manual, semi-automated or fully-automated
- Cost-effective and secure, energy-efficient



MT 09 INLINE TESTING MACHINE

MODEL NO	MT 09
INPUT POWER	220V, 1P
WEIGHT	130 KG
DIMENSIONS (MM)	1180*650*900 (L*W*H)
PRODUCTION SPEED	12-18 PCS/MINUTE
COMPRESSOR REQUIRED	2HP



FEATURES:

- Pneumatic working
- Air and water leakage testing
- 6 cavities testing at one time
- Easy working with single button operation
- Required less manpower



MT 10 FILTER WINDING MACHINE

MODEL NO	MT 10
INPUT POWER	220V, 1P
WEIGHT	275 KG
DIMENSIONS (MM)	1070*700*760 (L*W*H)
PRODUCTION SPEED	3-7 PCS/MINUTE
MOTOR	1-HP, VFD MOTOR



FEATURES:

- Sediment filter winding with carbon filling
- Fast working with less manpower
- Change the winding speed simply by a spin button

MT 15 AUTOMATIC FOAM SCRUBBER MAKING MACHINE

MODEL NO	MT 15
OUTPUT FREQUENCY	20KHZ / 1500W
INPUT POWER	220V, 1P
WEIGHT	270 KG
DIMENSIONS (MM)	1150*760*1830 (L*W*H)
WELDING TIME	0.1 TO 3.5 SEC
MAXIMUM STROKE	80MM
PRODUCTION SPEED	10-20 PCS/MINUTE
COMPRESSOR REQUIRED	3HP

FEATURES:

- All types of foam scrubbers will seal and cut automatically
- Fast productivity with low manpower
- Sealing & cutting automation with plc panel
- Sealing length adjustable
- Digital parameters setting: easy to operate and easy to learn



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- Available in 3 different qualities.
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 2. High strength ms
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- 15 kHz, 18 kHz & 20 kHz
- Smooth vibration and long life

ULTRASONIC HORNS & FIXTURES

- Ultrasonic tools horns & fixtures made by marck techno with the finest technology at the very best price.
- Marck techno has tooling facilities like VMC milling & CNC tooling for a variety of horns & fixtures with premium quality.
- We provide titanium, high strength ms & aluminum horns & fixtures as per requirements.



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