

AXESS

PLASTIC JOINING MACHINES



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AXESS ULTRASONICS

www.axessultrasonics.com

Since 2002 **AXESS** is a marketing company involved in sales and service of plastic joining/welding machines like ultrasonic plastic welding, spin welding, Hot-Plate & Vibration Welding machines etc.

AXESS is a team of technically experienced, aggressive, enthusiastic and ambitious peoples, who focused on success and became a well known company in Industrial segment and succeed to achieved gradual growth every financial year and have techno commercial tie-up with world well known company **BENSONIC™** PI Shan Automatic Company Limited, TAIWAN since 2004 and MP Sonic (Cnzhnbo), China since 2018 as well as their authorized agent of for marketing their products in India.



AXESS has developed and manufacturing same quality machines in India with brand name **AXESS** with the help of Bensonic & being experienced in ultrasonic technology from a long time span of about 20 years. All components for Indian make machine sources from the similar supplier from Taiwan and Germany, Some Key components still supplied by **BENSONIC**.

AXESS has aim to supply the top quality machinery up to the level of rising expectation of industry. For us customer's opinion and favorable comments will be most welcome all the time.



EW SERIES ULTRASONIC PLASTIC WELDER



features of EW Special series

Multiple Protection Circuits: Machines are of robust design and durable for high output and heavy load.

Heavy duty pneumatic driving system: Equipped with high speed solenoid for operating pressure ranging 0 to 9 bar, special design cylinder floating connector.

Easy dial of Sonic Adjustment: Unit is equipped with standard new dial for sonic adjustment with easy settings (no special skill required).

Digital presenting of working conditions: Digital presenting of three sets of 1/100 sec. Precision times

Easy & Heavy adjustment tools: Equipped with a spherical transducer base and adjustment free horizontal ring for easy adjustment of fixture with Horn. The bed is of a T-slot Bed design for fast tool change

Range & Technical Specification

Particular	EW2015P	EW2025P	EW1528P
Output/Frequency	1500W, 20KHz	2500W, 20KHz	2800W, 15KHz
Weight	90Kg	95Kg	95Kg
Dimensions (mm)	440 x 690 x 1500	440 x 690 x 1500	440 x 690 x 1500
Welding Area	150mm	200mm	250mm
Input Power	220V, 1P-10A	220V, 1P-15A	220V, 1P-15A





Security Measures

- * Frequency locking system: above frequency range and below frequency range protection, selecting type mistake protection, horn cracked protection.
- * Constant amplitude system: overpower protection, faulty operated protection.
- * Control system: wrong parameter protection.
- * Others: interfering impulse absorbed protection, converter and horn damaged protection.

Special features

- * Auto Tuned Digital Generator with 5" Color HMI control panel.
- * Time and Power mode welding process with Frequency display.
- * Amplitude soft start, ensure make use of huge horns.
- * Welding amplitude adjustment range 20~100%
- * Adopt parallel resonance to drive the converter, reduce heating of converter to protect it.
- spherical transducer base for easy horizontal adjustment.
- The base with T-slot for fast tool change.

Range & Technical Specification

Particular	DW2015P	DW2020P	DW1528P
Output/Frequency	1500W, 20KHz	2000W, 20KHz	2800W, 15KHz
Weight	90Kg	95Kg	95Kg
Dimensions (mm)	440 x 690 x 1500	440 x 690 x 1500	440 x 690 x 1500
Welding Area	150mm	200mm	250mm



Automobiles



INTEGRATED SBW SERIES PLASTIC WELDER



Special features of SBW series

Multiple Protection Circuits: Machines are of robust design and durable for high output and heavy load.

Heavy duty pneumatic driving system: Equipped with high speed solenoid for operating pressure ranging 0 to 9 bar, special design cylinder floating connector.

Easy dial of Sonic Adjustment: Unit is equipped with standard new dial for sonic adjustment every operator can set the sonic adjustment by making niddle into red zone, without special skill.

Digital presenting of working conditions: Digital presenting of three sets of 1/100 sec. Precision times

LED Loading and Frequency display.

Easy & Heavy adjustment tools: Equipped with a spherical transducer base and adjustment free horizontal ring for easy adjustment of fixture with Horn. The bed is of a T-slot Bed design for fast tool change.



Range & Technical Specification

Model	Frequency & O/p	Input Power	Welding area	Weight (kg) & Dimension (cm)
SBW-2015P	20 KHz, 1500 W	220V, 1P-10A	150 mmØ	90 Kg (440X690X1500)
NBW-2025Ti	20 KHz, 2500 W	220V, 1P-15A	200 mmØ	95 Kg (440X690X1500)
SBW-1528P	15 KHz, 2800 W	220V, 1P-16A	250 mmØ	95 Kg (440X690X1500)
SBW-1542P	15 KHz, 4200 W	220V, 3P-20A	300 mmØ	120 Kg (440X690X1500)



Medical, Stationary & Engineering

These machines are suitable for automotive filters, RO water purifier filter, water jug and Round Work pieces.

Spin welding is a process that joins circular thermoplastic parts by bringing the part interface together, under pressure, with a circular, spinning motion. One part is held stationary in a fixture, while the other is rotated against it under pressure. The frictional heat that is generated by friction causes the part interface to melt and fuse together, creating a strong, hermetic seal.



**SPIN WELDER
FOR TOILET
WATER
TANK &
CAP TRAP
OF WASHING
MACHINE**



Range

Particular	Model	Output
Spin Welder	ANSP02 to ANSP05	2 HP to 5 HP

Technical Specification of ANSP-02

Dimension L x W x H	980mm x 660mm x 1950mm
Weight	415 Kg (Approx)
Input Voltage & Power	400V, 3 Phase/2 KW
Clutch & Brake	25W (Taiwan make)
Motor and RPM	2 HP, 1450 RPM
Protection of Motor	3 phase/overload prevented
Timer (Digital)	0.01 sec to 9.99 sec (3T)
Air pressure req.	up to 6 Kg/cm square
Productivity	8-15 operation/ minute
Auto/Manual	Both operation

ORIENTATING SPIN WELDING MACHINE



This machine is suitable for automotive filters, RO water purifier filter and other round work applications. It can work like a standard spin welding machine as well as for the application in which the upper part is to be on stop on a fixed position or an angle after welding.

Range

Particular	Model	Output
Orientating Spin Welder	AOSP01 to AOSP10	1 KW to 10 KW

Technical Specification of AOSP-015

Dimension L x W x H	440mm x 690mm x 1500mm
Weight	120 Kg (Approx)
Input Voltage & Power	220V, 1 Phase/1.5 KW
Motor/Drive/RPM	1.5 KW, 3000RPM (OMRON)
HMI	3" (OMRON)
Welding Mode	Time/Rotation/Depth
Air pressure req.	up to 6 Kg/cm square
Productivity	8-15 operation/ minute
Auto/Manual	Both operation





Application

Automobile bumper riveting
Single point screw inserting
Single welding
Packing strapping welding

Hand operated system generally used where access to the part is difficult, hard to reach or for large applications.

Ideal for welding fabrics made of chemical synthetic fibers, thermoplastic sheets, ribbons and pp sheets etc. for precise, safety and perfect packing.

Special Feature

- * One key start, simple operation and easy operate.
- * Auto Tuned, Time mode and Power mode.
- * Effectively balance the amplitude while frequency is locked based on the frequency and amplitude control using PID.
- * Power outburst mode, save energy comparing to the traditional ultrasonic hand-held welding machine.
- * Welding amplitude adjustable from 60% to 100% by 1% step.

Model & Technical Specification

Particular	AW3508H	AW3512H	AW2012H
Output/Frequency	800W, 35KHz	1200W, 35KHz	1200W, 20KHz
Weight (with Gun)	12Kg	12Kg	16Kg
Dimensions (mm)	L-365xW-183xH-160	L-365xW-183xH-160	L-365xW-183xH-160
Input Supply	220V, 50Hz	220V, 50Hz	220V, 50Hz

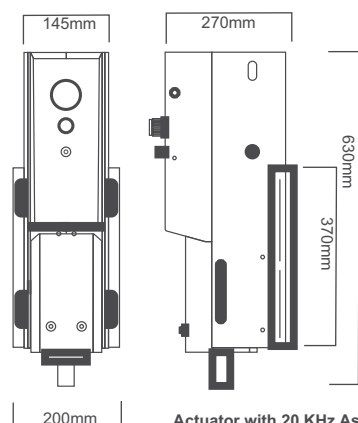


ULTRASONIC ACTUATORS

These actuators can be used in different-different application like:

It can be used on some on-line machine which does not have enough space, It can be used in multi head SPM machine like PP corrugated box welding machine, continuous welding section on BOPP pouch making machine.

Generator for these system can be kept at a sufficient distance.



Actuator with 20 KHz Assembly
excluding Horn height



Type A: Can use for 1500W

Type B: Can use for 2500W and 2800W

Stroke length 75mm or can be customize (25mm~100mm)

ULTRASONIC TUBE SEALING MACHINE

This machine developed by AXESS is suitable for sealing of Plastic & Laminate Tubes for Toothpaste, Ointment, Beauty Cream, Washing Cream, Adhesive, Shampoo, Hair Lotion, Colors, Jam, Chocolate super Glue, Liquid & Paste etc.



Special Feature

- * Robust build quality for long life.
- * Each operation like welding head front-back, ultrasonic welding, cutting, each conveyor forward-reverse can be operated manually apart from auto mode.
- * Tube height adjustable.
- * Overload protection in ultrasonic system and welding time can be adjusted up to .01sec which convert into more precise welding result.

ROTARY INDEXING TABLE

This machine is specially developed by AXESS for whom their production rate is very high but they wants to save labor and time.

This machine's rotary system is very robust combination of mechanical Index System, Motor and reducing gear box.

Machine can be designed with desired station and desired wattage Ultrasonic system as per customer requirement.

Key Features

- * Variable speed, * Auto ejection, * Choice of station 4, 8 or 16
- Stroke length 75mm or can be customize (25mm~100mm)
- Ultrasonic system as per requirement



Technical Specification of Standard Rotary

Dimension L x W x H	1220mm x 1030mm x 1680mm
Weight	300 Kg (Approx)
Input Voltage & Power	220V, 2 KW, single phase
Air pressure req.	up to 5 Kg/cm square
Ultrasonic System	As per application
AC Drive	5~1.0Kw with speed controller
Indexing System	8 station (can be customized)
Productivity	15-30 stroke/minute
Auto/manual	Both operation
Unloading System	Pneumatic/Pick-Drop (optional)



Electronics & Electricals



ULTRASONIC PP CORRUGATED BOX WELDING MACHINE

MULTI-HEAD ULTRASONIC PP CORRUGATED BOX WELDING MACHINE

These machine are specially developed by Axess for manufacturing the PP Corrugated box. These can weld one or two welding spot together which make it production friendly. Axess can design frame of the machine as per customer specification like Multi Head fixed or movable. New frame developed by Axess are very robust and user friendly. Ultrasonic system used in these machines already proven. All components used in these machines are international class.

Range

Model	Output	Welding thick
AW2015PPB	20 KHz, 1500W, Single Tip	up to 15mm
AW2025PPB	20 KHz, 2500W, Single Tip	up to 30mm
AW1528PPB	15 KHz, 2800W, Double Tip	up to 15mm

Technical Specification

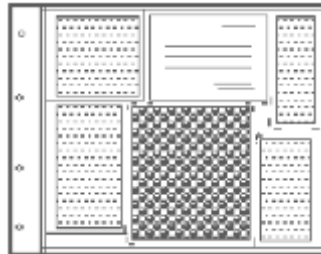
Output / Frequency	1.5Kw/2.0Kw 20KHz, 2.8Kw 15 KHz
Capacity	10 -15 welding stroke/ minute
Weight	320 ~ 900 Kg (approx)
Dimensions (mm)	L-1350 x W-500 x H-1950 (1.5Kw)

OTHER SPM/CUSTOMIZE MACHINES

ULTRASONIC ENCAPSULATING MACHINE



Model **AW4005-D1**



This machine is specially developed by Axess for encapsulating the old historic or important documents. Specially for used to secure historic document by National museum. By this machine one important document can be protected in a polyester film top and bottom which can be sealed all 4 side by Ultrasonic.

SERVO-CONTROLLED ROTARY WELDER



THIS IS FOR 3-PHASE ENERGY METER

MULTI-HEAD WELDER MACHINE

This machine is specially developed by Axess for welding all side of 3 phase energy meter. It contain 3 set of 15 KHz 2800W Ultrasonic system. We can customize Multi Head Ultrasonic welding machine as per application.





Features

- Chinese/English touch screen interface operation
- Track ultrasonic frequency automatically
- Constant Time, energy, and power welding mode
- Welding quality control
- Welding data management/storage
- Constant distance (Relative and Absolute position) welding mode
- Nodal support booster made of Ti-Aluminum alloy

Range

Model	Specification
BSG-2012	20Khz-1200W
BSG-2020	20KHz-2000W
BSG-3512	35KHz-1200W

BA DIGITAL ADVANCE ULTRASONIC PLASTIC WELDING MACHINE

Features

- Swiss DHG digital ultrasonic generator
- 7 inch HMI control operation
- Automatically search frequency & 60%~100% amplitude adjustment Constant (Relative and Absolute Position) welding mode
- Time, Constant energy and Power welding mode
- Welding quality control
- Ultrasonic parameter data management, each data can be saved with USB flash drive
- Nodal support booster made of hard Ti-Aluminum alloy Postpone start option
- Shake function
- Periodic amplitude control and periodic welding pressure (option)

Range

Model	Specification
BA-2030DHG	20KHz - 3000W
BA-2040DHG	20KHz - 4000W
BA-2045DHG	20KHz - 4500W
BA-3020DHG	30KHz - 2000W



AC BLOWER WELDING MACHINE



This machine is specially designed to weld the AC blower for split ac or other kind of blower.

****Manually put the bottom piece and the fan pipes, press the START buttons, it will stroke down for welding and complete the welding process according to the set section quantity**

****After completion of welding, the finished fan pipe will be lifted up automatically for manual taking out.**

Features

Lifting mechanism: Provided with heavy duty linear guide rail, the clearance can be adjusted almost to 0, to move the cylinder down, oscillation by ultrasonic wave without deflection.

Descending speed: Provided with sensitive rotary knob for easy control of the piston for easy control of the piston descending speed.

Horizontal adjustment: Provided with ball vibration device, fine thread horizontal micro adjustment, horizontality can be precisely controlled.

Range

Model	Output
BUFW-1528P	15 KHz, 2800W
BUFW-1528PL	15 KHz, 2800W

Power Required: 3 Phase 400V, 16 Amp
Pneumatic Air Connection: 5-7Kg/cm square

Technical Specification

Welding Surface	dia120mm (1528P) 120mm (1528PL)
Length	800mm (1528P) 1000mm (1528PL)
Weight	350 kg (approx)
Dimensions (mm)	L-2450 x W-1500 x H-1250

Application

Automobile parts (such as: automotive lights, water tanks, scrubbers, glove boxes, fuel filters, carbon canister, etc.)

Commodities (such as: iron, dust barrel, etc.)

Electronic appliances (such as: washing machine balance ring, washing machine out of the hydrant, batteries, etc.)



Principle

Hot plate welding utilizes a temperature controlled heat platen assembly, which is introduced between the two parts to be assembled. All items are brought together, and the melting cycle is started. Both halves of the holding fixtures are brought together against stops for the proper amount of seal



Special Features

- * "Plastic molding multiple-directional adjustment mechanism" can be adjusted by cooling fixture quickly.
- * Transmission can use pneumatic, hydraulic or servo motor drive.
- * Can be applied to different sizes of work pieces, no area restrictions.
- * Can be applied to any welding surface, no special requirements.
- * Welding plastic surface allows the remaining compensation amount, the welding strength is assured. Should require various materials, adjust the welding procedure.
- * Smart design to accommodate the desired production.

Model & Technical Specification

Model	AHS5030P	AHS6550P	AHS8060P
Machine Dimension L x W x H (mm)	1350 x 1300 x 2250	1490 x 1470 x 2450	1669 x 2350 x 2680
Machine Weight	1.1T	1.6T	1.8T
Upper & Lower Base Mold Size (mm)	450 x 300	655 x 400	880 x 650
Maximum Welding Area (mm)	300 X 260	600 X 400	800 X 600
Safety Grating Height	440mm	440mm	440mm
Upper Mold Stroke	250mm	350mm	360mm
Lower Mold Stroke	250mm	300mm	360mm
Hot Plate Stroke	300mm	450mm	700mm
Insert Air Tube Diameter	Dia 12mm	Dia 12mm	Dia 12mm
Input Voltage	380V, 50Hz	380V, 50Hz	380V, 50Hz
Maximum Input Power	10Kw	20Kw	30Kw
Equipment Control	PLC Control + HMI	PLC Control + (mm) HMI	PLC Control + (mm) HMI
Control Voltage	DC 24V	DC 24V	DC 24V
Air Storage Volume	10L	10L	20L
Sensor Test Range	3-8mm	3-8mm	3-8mm
Air Pressure (required)	0.5 ~ 0.7Mpa	0.5 ~ 0.7Mpa	0.5 ~ 0.7Mpa
Maximum Humidity/Room Temperature	≤80%RH/10~60	≤80%RH/10~60	≤80%RH/10~60
Noise	85dB	85dB	85dB



HOT PLATE MOLD



Application

Automotive parts (such as headlamp, taillight, intake manifold, fascia, glove box, airbag bracket, air passage, pressure conduit, water tank, valve cap, filter components and so on);

Electronic apparatus (such as battery box, outlet valve of washing machine, acoustics and so on);

Commodity (such as snack box, water-canon and so on)



Principle

Vibration welding use the friction between two thermoplastic connecting parts to melt the plastic, this heat energy comes from the back and forth movement at a certain displacement or amplitude of one work piece on another workpiece's surface. Once the expected welding extend is reached, the vibration stops with certain pressure still on two workpieces, which can cool and solidify the welding part and bond firmly in the end.

Special Features

- *Applicable to large-scale and rule less thermoplastic welding, multiple plastic material welding, especially for soft and high-melting point material like nylon.
- *Efficient electromagnetic driving system, proven reliability, using dpwm technique.
- *The heaviest flame cutting overall bridge in the same level, which would prevent non effective vibration.
- *Four continuous supporting guide-bars & 8 reciprocating self-lubricating bearings makes it to be the best lift platform.
- *Stronger frame structure with multiple-beam.
- *Steel pipe frame worktable, 25mm metal panel, grinding machine processed base surface provide a stable platform for lower die. *Low noise below 80 dB
- *78L tank and proportional valve hydraulic power unit supplied by bossch rexroth, precise control of worktable when processing. *80% Parts can be exchanged by a compatible designed idea.



Model & Technical Specification

Model	MSV515LS	MSV630LS	MSV650LS	MSV715LS	MSV730LS	MSV830LS	MSV930LS
Vibration Head							
Vibration Upper Tool	15Kg	35Kg	45Kg	55Kg	70Kg	150Kg	200Kg
Welding Area (Approx./for PP)	160 cm2	200 cm2	200 cm2	280 cm2	460 cm2	490 cm2	650 cm2
Amplitude (Peak to peak)	0.5~1.8mm	0.5~1.8mm	0.5~1.8mm	0.5~1.8mm	0.5~1.8mm	0.8~3.8mm	0.8~3.8mm
Frequency (with fixture)	230~260 Hz	230~260 Hz	230~260 Hz	230~260 Hz	230~260 Hz	125~145 Hz	100~140 Hz
Machine							
Machine Size: Width	2204mm	2454mm	2604mm	2454mm	2454mm	2980mm	3440mm
Depth	1240mm	1240mm	1240mm	1240mm	1240mm	1800mm	1800mm
Height	2240mm	2240mm	2225mm	2240mm	2240mm	2900mm	2900mm
Front Door Opening: Width	1150mm	1400mm	1550mm	1400mm	1500mm	1950mm	2200mm
Height	790mm	790mm	790mm	790mm	790mm	1100mm	1100mm
Drive Platen/upper: Width	762mm	860mm	1350mm	920mm	1020mm	1420mm	1880mm
Depth	420mm	440mm	540mm	540mm	540mm	500mm	500mm
Lift Table Size: Width	1200mm	1300mm	1420mm	1400mm	1500mm	2180mm	2640mm
Depth	500mm	600mm	590mm	600mm	600mm	850mm	850mm
Table Stroke/Max	500mm	500mm	500mm	500mm	500mm	800mm	800mm
Max Dist. betw Lift table/Vibration Head	735mm	735mm	745mm	735mm	735mm	1200~1500mm	1200~1500
Table Speed	250mm/sec	250mm/sec	250mm/sec	250mm/sec	250mm/sec	250mm/sec	250mm/sec
Clamp Force	15KN	15KN	28KN	22KN	30KN	32KN	32KN
Height Adjustment of Vibration Head	—	—	—	—	—	300mm	300mm
Hydraulic System	Servo Pump	Servo Pump	Servo Pump	Servo Pump	Servo Pump	Servo Pump	Servo Pump
Hydraulic Oil	ISOVG32	ISOVG32		ISOVG32	ISOVG32	ISOVG32	ISOVG32
Hydraulic System Size: Width	—	—	—	—	—	700mm	700mm
Depth	—	—	—	—	—	1450mm	1450mm
Height	—	—	—	—	—	1200mm	1200mm
Weight	2800Kg	3000Kg	3500Kg	3400Kg	3400Kg	7000Kg	8000Kg
Sound Pressure Level	<85dB	<85dB	<85dB	<85dB	<85dB	<85dB	<85dB
Machine							
Electrical Cabin Size: Width	—	—	—	—	—	—	—
Depth	—	—	—	—	—	—	—
Height	—	—	—	—	—	—	—
Main Voltage (3P)/Input	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz
	AC380V, 400V	AC380V, 400V	AC380V, 400V	AC380V, 400V	AC380V, 400V	AC380V, 400V	AC380V, 400V
Power Consumption	23KVA	23KVA	23KVA	29KVA	47KVA	47KVA	47KVA
Maximum Power/Output	15Kw	15Kw	15Kw	18.5Kw	30Kw	30Kw	30Kw
Control Voltage	DC 24V	DC 24V	DC 24V	DC 24V	DC 24V	DC 24V	DC 24V
PLC Type (Mitsubishi)	QU2H	QU2H	QU2H	QU2H	QU2H	QU2H	QU2H
Operation Touch Panel (Mitsubishi)	A970GOT 10.4"	A970GOT 10.4"	A970GOT 10.4"	A970GOT 10.4"	A970GOT 10.4"	A970GOT 10.4"	A970GOT 10.4"
Frequency Tuning	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual
Auto Tuning	4 Sec	4 Sec	4 Sec	4 Sec	4 Sec	4 Sec	4 Sec
Welding Control	Depth/Time	Depth/Time	Depth/Time	Depth/Time	Depth/Time	Depth/Time	Depth/Time
Step for Welding	8 Stage	8 Stage	8 Stage	8 Stage	8 Stage	8 Stage	8 Stage
Set up Number	80 ea	80 ea	80 ea	80 ea	80 ea	80 ea	80 ea
Welding Result Analysis	Good/Bad	Good/Bad	Good/Bad	Good/Bad	Good/Bad	Good/Bad	Good/Bad
Language	English/etc	English/etc	English/etc	English/etc	English/etc	English/etc	English/etc
Internet (ETOS-50)	Option	Option	Option	Option	Option	Option	Option
Communication Function	RS232C, 422	RS232C, 422	RS232C, 422	RS232C, 422	RS232C, 422	RS232C, 422	RS232C, 422
Printer	—	BTP-400	BTP-400	BTP-400	BTP-400	BTP-400	BTP-400

ULTRASONIC TOOLING HORN & FIXTURE



Ultrasonic tools (Horn & Fixture) made by **AXESS** are of spl. aluminum alloy 7075T-651 (the only company in north & east India using this material which is the best material for ultrasonic tooling with the finest technology at the very affordable and competitive price.

Axess has state of the art tooling facility with various VMC milling and CNC turning along with many traditional Milling and lathe machines.



ULTRASONIC CONVERTERS

AXESS has researched continuously from since 2002 and developed various kind of converters and updated them by the time using top of the world class German ceramic and best aluminum and Titanium alloy material through a special process.



ULTRASONIC BOOSTER

AXESS uses only Titanium Alloy booster for ultrasonic plastic welding which is far better the aluminum alloy booster and Steel alloy booster concern smooth vibration and long life.

LASER MARKING MACHINE

The best printing technology of present days which doesn't required consumable and almost no maintenance. Our fiber laser system are highly efficient, crispy, clear and consistent and can marking on almost all metal and nonmetal. The system are integrated with pulsed fiber laser source which is most advance and reliable laser source. Industrial, Standard and desktop model are most common in present manufacturing process.

FIBER LASER MARKING MACHINES



Range & Technical Specification of 20w machine

Model	20D/30D/50D/60D/120D	Marking Area	110x110mm/150x150mm
Output Power	20/30/50/60/100Watt	Operating Software	EZCAD
Output Wavelength	1064nm	Graphic Format Support	PLT, DWG, DXF, AI, BMP, JPEG
Minimum Line Width	0.01mm	Safety protection	IP54
Laser Beam Quality	<1.5	Input Voltage /Power	220V/600W (for 20D)
Light Spot Diameter	6-8mm	Weight	85Kg (Approx)
Repetition Frequency Range	20-80 KHz	Dimension	600 x 700 x 1275mm

ON-LINE (FLY) Models also available

www.axessultrasonics.com

SOME OF OUR ESTEEMED CUSTOMERS



Logo are property of the respective companies

AXESS
PLASTIC JOINING MACHINES

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