





Desktop Laser Spot Welders

Cutting-edge Welding Technologies



Solution Simplified

www.aczet.com



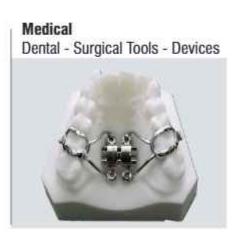
Innovative new technologies to deliver powerful yet stable Laser shots!



Aczet Micro Laser Spot Welder lets you accomplish extraordinary welds in difficult places, if you can see where a weld needs to be, you can reach there with an our Micro Laser Spot Welder. The new upgraded version guarantees quality laser spot yet is Energy efficient. With a laser, no electrode maintenance interrupts your work, saving time -money and improve productivity. We offers different power options to suit your budget and type of work.

Our New Laser welding is a technique that uses a focussed collimated high-intensity beam of light to melt and fuse metal parts, sometimes with extra material from a filler rod.









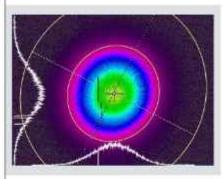


Wide Opening



- 180-degree wide opening
- · Bigger mouth opening
- Large Welding chamber
 Not only suites to any large size component for welding but also allows for better manoeuvrability of larger or complex work pieces.

Innovative Smoother Spot



 Optical configuration such that it allows to have even energy spot which help better surface finishing of welds and better distribution of filler material.

Double Cooling System



 Thanks to the double cooling system is designed to manage heat generation during the welding process efficiently.
 It will ensure work will never hault in any environment at any temperature.





Precision Targeting



 Leica 10X Stereo Microscope offer advanced optics and clear and sharp images for accurate micro welding operation without strain your eyes and improve overall productivity.

3D Vision System - LYNX



- More improved 3d Vision stereoscopic view make it most comfortable for operator to weld difficult surface.
- Clear and strain free sample viewing help achieve higher productivity in welding as well as tire free long operating hours for operator.
- Operator can weld with his spectacles along.

Spacious Work Chamber



- A wide chamber with Joystick for dynamic change in laser parameter help extensive productivity.
- Bright LED lighting inside chamber makes it clear sample realisation in microscope.
- . Connection for gas/argon

Touch Screen Display



- 8" Large Colour Capacitive Touch Screen display provides an intuitive and user-friendly interface.
- Capacitive touch usually offers high sensitivity and responsiveness which in turn provide a smooth and seamless interaction experience.

High CCD built in Camera



 Integrated CCD camera make it possible save photos /videos for welding result and process for later analysis.

100 Memory to Store Presets



 Possibility of saving 100 different types of welding programs with different parameters, make it easy for welder not required to remember for dynamic need of parameter depending upon type of metal.

Silver / Reflective Welding



 Resonator made out of special material and novel cavity design ensure no problems when you weld over reflective material or silver.

Die Cast Laser Rail



 Die cast laser rail give overall sturdiness and accuracy to laser assembly in turn yield powerful laser shot with great depth and stable right from first shot.

250J High Peak Power



 Large laser rod with powerful laser lamps backed with strong power electronics and capacitor bank guarantee highest peak power energy in each laser shot yet it is energy efficient.

Wide Internal Vision



 Allowing for clear visibility of the welding process and work area.

Integrated Arm Rests - Stout



 Intergrated armrests for added comfort and usability.

Foot Pedal





 Foot pedal offers hands-free control for operating laser machines, providing convenience and flexibility.

Ergonomically Design



- A perfectly suited angle between the microscope and welding point allows comfortable user posture to help him to work long working hours without any tiredness
- A Well-designed workstation with joystick and Touch screen display for adjustment of laser parameters, lets operator better focus and attention to detail.

Sanitization Safety



 Safety sanitisation of the environment thanks to dust filter which eliminates dust and odour once the process is finished.

Multi Language



- 8 built-in languages for international operation
- English, Italian, Dutch, Spanish, Turkish, French, Russian, Thai

Optional Accessories

External Water Chiller



Internal Wrist Arm



Motorised Table









Model	Stout 180	Stout 225	Stout 180-3D	Stout 225-3D	
Laser Source	Nd: YAG				
Wavelength	1064nm				
Laser Power	90 W	100 W	90 W	100 W	
Pulse Duration	0.1 - 20ms	0.1 - 25ms	0.1 - 20ms	0.1 - 25ms	
Pulse Frequency	0.5 - 30 Hz				
Max Peak Power	9 kW				
Max Pulse Energy	180J	225J	180J	225J	
Microscope	10x Leica Stereo Microscope Lynx Stereo 3D Vis			3D Vision	
Spot Diameter	0.2 / 2mm Motorised (0.1mm optional)				
Smooth Spot Tech	Yes				
Modes (Theme)	Light, Dark				
Argon / Air Nozzle	Yes				
Cooling System	Double Cooling				
Internal Chamber Control	Joystick				
Wave Programs	Pulse Shaping 6 Preset				
Programable Memory	100				
Display	8" Colour TFT Touch Screen				
Power Supply	230V AC, 50/60 Hz (110V available on request)				
Dimensions (L x W x H)	780 x 500 x 600 mm				
Weight	52 kg	52 kg	58 kg	58 kg	





Model	Forza 160	Forza 180	Forza 180-3D		
Laser Source	Nd: YAG				
Wavelength	1064nm				
Laser Power	70 W	90 W	90 W		
Pulse Duration	0.1 - 20ms				
Pulse Frequency	0.5 - 30 Hz				
Max Peak Power	7 kW	9 kW	9 kW		
Max Pulse Energy	160J	180J	180J		
Microscope	10x Aczet approved Stereo Microscope	10x Leica Stereo Microscope	Lynx Stereo 3D Vision		
Spot Diameter	0.2 / 2mm (0.1mm optional)				
Smooth Spot Tech	2	Yes			
Modes (Theme)	Light				
Argon / Air Nozzle	Yes				
Cooling System	Single Cooling	Double Cooling			
Internal Chamber Control	Joystick				
Wave Programs	Pulse Shaping 6 Preset				
Programable Memory	100				
Display	8" Colour TFT Touch Screen				
Power Supply	230V AC, 50/60 Hz (110V available on request)				
Dimensions (L x W x H)	860 x 500 x 580 mm				
Weight	50 kg	50 kg	55 kg		

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