stomdevice

quasar



QUASAR. NO SPEED LIMITS

Equipment
Welding machine

Zhermack®
TECHNICAL

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ



quasar

Speed and ease of use are the unique characteristics of ***Zhermack's Quasar*** welding equipment.

Quasar and Quasar Plus use the thermal energy produced by an infrared electromagnetic wave source for primary and secondary braze welding on precious metals and base-metal alloys without using a direct flame.

Compared with traditional systems, ***Quasar*** welds guarantee high mechanical resistance and structural uniformity.

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

Quasar and Quasar Plus produce thermal energy using an optical system of infrared light generating a maximum temperature of 1350°C.

Quasar Plus also has a device to spot weld the metal structure to be welded.



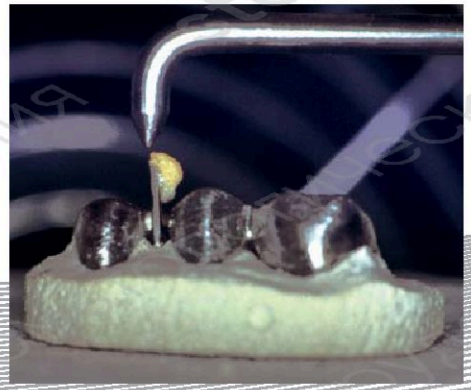
quasar

USES

QUASAR

Braze welding of precious metals and base-metal alloys with blocking of the prostheses to be welded in the coating.





QUASAR PLUS

Braze welding of precious metals and base-metal alloys with blocking of the prosthesis by spot welding in an argon environment.





https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ



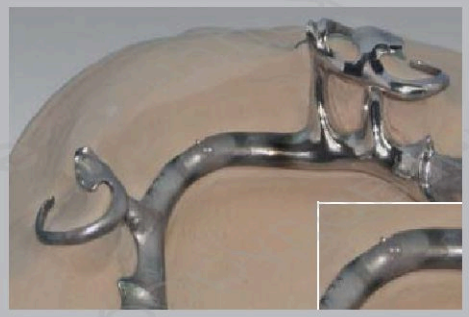
Welding with ***Quasar and Quasar Plus*** eliminates combustion and excessive oxidation while the metal is heating up.

quasar

USES

- Fixed prostheses
- Implant prostheses
- Repairs










https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

Welding with ***Quasar Plus*** is simple and intuitive for all operators right from the start.

Unlike traditional welding methods, with ***Quasar Plus*** excellent welds can be obtained in about six minutes.

The system is not suitable for precious alloys with a low melting point below 1050° and base-metal alloys with a high nickel content of >35%



CHARACTERISTICS

	QUASAR	QUASAR PLUS
Maximum temperature obtainable	1350°C	1350°C
Temperature indicator	■	■
Darkened protective screen	■	■
Spot welder to centre piece	■	■
Fume suction system	■	■
Joystick to move workplate	■	■
Chamber temperature controller	■	■
Knob for spot welding the piece	-	■
Spot welder power controller	-	■
Pedal and earth clamp for spot welding	-	■
Designed for argon connection*	-	■
Electrodes included**	-	■

*The argon is not supplied with the machine. Contact your local supplier.

**Compound for ceramics	Composition					
	Mn	Cr	Mo	Ni	Si	Fe
Cr/Mn	20.0%	20.0%	2.5%	0.2%	1.0%	for completion

Melting temperature and spot welding electrode composition: Co/Cr for ceramics 1450°C

Optional

Compound for removable partial prostheses	Composition					
	Mo	Cr	Ni	Si		
Ni/Cr	25.0%	26.5%	42.0%	2.0%		

Melting temperature and spot welding electrode composition: Ni/Cr for removable partial prostheses 1450°C

Optional

Compound	Composition					
	Au	Pt	Pd	Ga	In	Rn
Au	50.5%	1.0%	38.8%	2.0%	7.4%	x

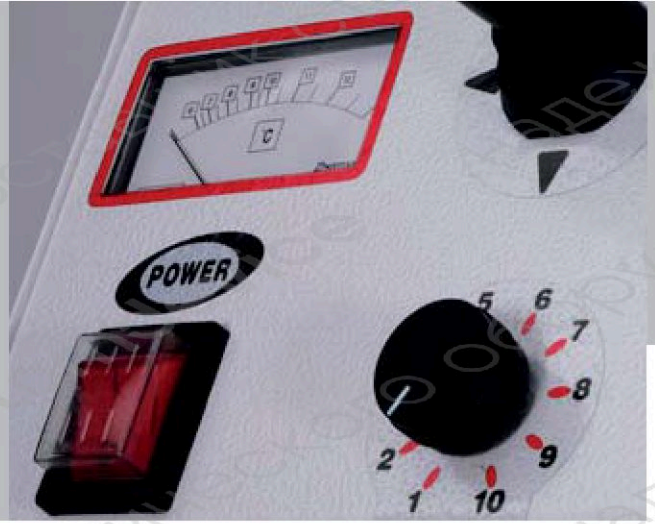
Melting temperature and spot welding electrode composition: Au 1310°C

Zhermack TECHNICAL

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

great precision



The ***temperature control system*** enables the pieces for welding to be heated gradually without the risk of damaging the metal.

quasar

IN THE SPOTLIGHT



The ***temperature focusing system*** enables the heated area of the pieces to be welded to be limited to about 1 cm in diameter



The ***spot welding module*** with plasma technology in argon environment fitted as standard in the Quasar Plus eliminates the coating placement phase and considerably reduces welding times



The ***extraction system*** to eliminate the fumes and gases produced during welding reduces the deposit of residues and the possibility of porosity forming within the weld.



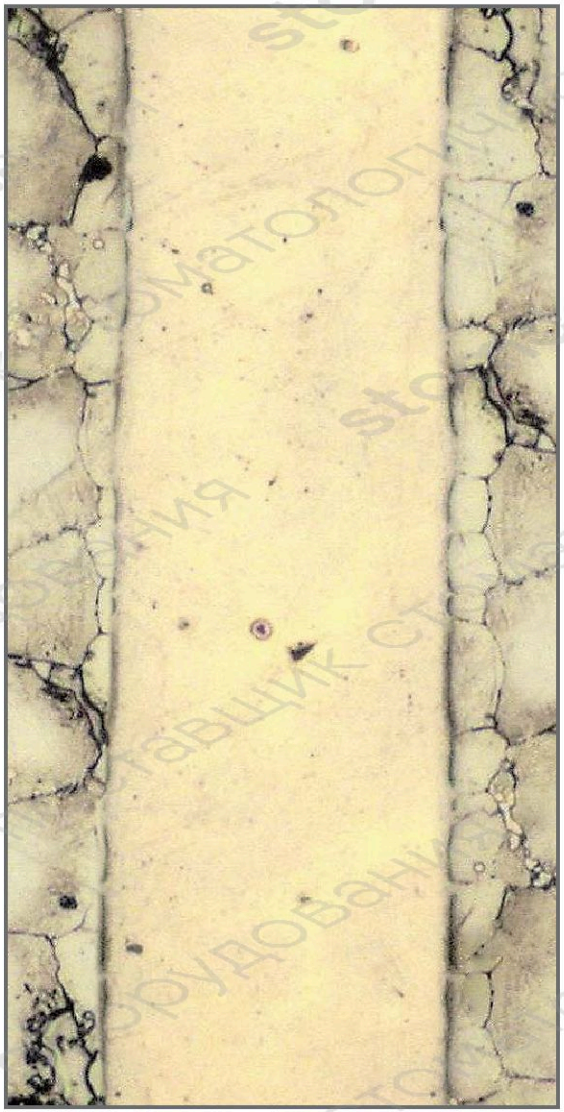
The built-in ***joystick*** enables the workplate to be moved during welding

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

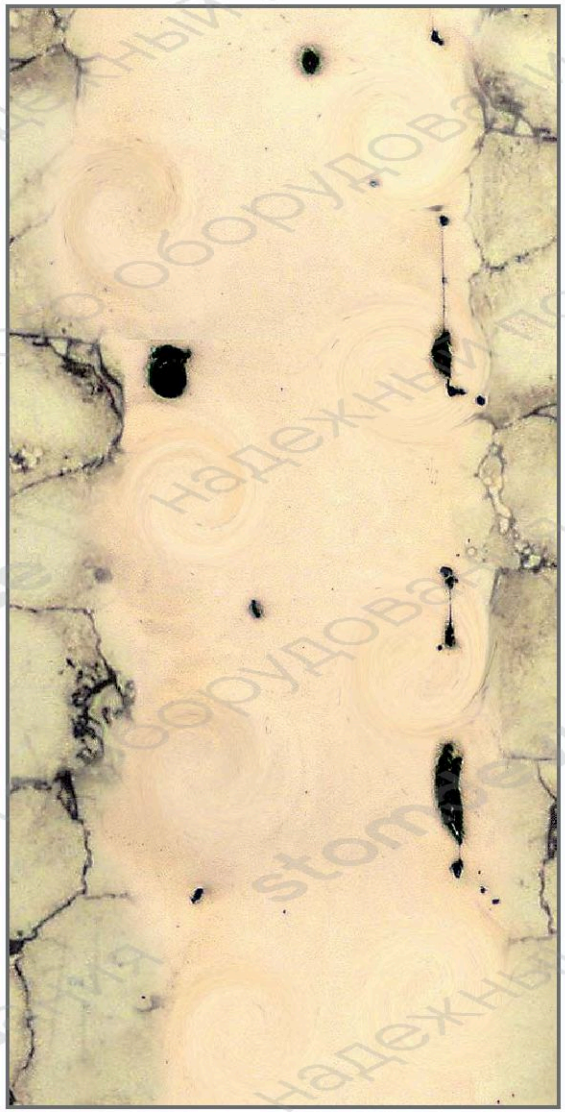
Compared with traditional welding systems, ***Quasar*** braze welding maintains the crystalline structure of the alloy intact, guaranteeing greater uniformity and chemical-physical resistance.

TECHNIQUE IN THE SPOTLIGHT



Uniform ***Quasar*** weld, free of flaws in the junction area and with irrelevant porosity in the central area.

Example: ***Quasar Plus*** welding



Uneven laser weld with evident porosity and at risk of breakage. Laser welding with obvious pointed flaws in the junction area.

Example: ***laser*** weld

Zhermack TECHNICAL

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

quasar





GPLCOMMUNICATION.COM F1210248 - 11/2011

Models

Code	Model	Dimensions	Weight	Max. temperature	Voltage	Absorbed power
C306800	Quasar infrared welder	L25/D36/H50 cm	27.9 kg	1350°C	230±10%/50-60 (V/Hz)	1100 Watt
C306810	Quasar Plus infrared welder with spot welding system	L25/D36/H50 cm	29 kg	1350°C	230±10%/50-60 (V/Hz)	1100 Watt

Standard equipment - Quasar Plus

	Electrodes for Cr/Co (for ceramics) ø 0,8 mm (x3)
XR0180110	Goggles

Accessories

XR0180040	Additional spot welding system (for Quasar)
XR0180050	Electrodes for Cr/Co (for ceramics) ø 0,8 mm (x10)
XR0180070	Electrodes for Cr/Co (for ceramics) ø 0,5 mm (x10)
XR0180060	Electrodes for Cr/Co (for removable partial prostheses) ø 0,8 mm (x10)
XR0180080	Electrodes for Cr/Co (for removable partial prostheses) ø 0,5 mm (x10)
XR0180090	Electrodes for Au (for gold alloy) ø 0,8 mm (x10)
XR0180100	Electrodes for Au (for gold alloy) ø 0,5 mm (x10)

BRANCHES

GERMANY
Zhermack GmbH
Deutschland
Öhlmühle 10 - D-49448 Marl
Tel. +49 - 0 54 43 / 20 33 - 0
Fax +49 - 0 54 43 / 20 33 - 11
info@zhermack.de
www.zhermack.com

POLAND
Zhermapol Sp. z o.o.
ul. Augustówka 14
02 - 981 Warszawa - Polska
Tel. +48 - 22 858 82 72
+48 - 22 858 73 41
Fax +48 - 22 642 07 14
biuro@zhermapol.pl
www.zhermapol.pl

USA
Zhermack Inc.
P.O. Box 4195, River Edge
New Jersey 07661 - 4195
Tel. +1 (877) 819 6206
+1 (732) 389 8540
Fax +1 (732) 389 8543
info@zhermackusa.com
www.zhermackusa.com

COUNTRY CONTACTS

UK AND IRELAND
Tel. +44 - (0)7870 690811
uk@zhermack.com

SPAIN
Tel. 900 99 39 52
info.spain@zhermack.com

FRANCE
Tel. +0800 - 915083
info.france@zhermack.com

RUSSIA
Tel. +7 916 930 1191
info.russia@zhermack.com

MEXICO AND CENTRAL AMERICA
Tel. +52 - 1 - 55 - 91980497
info.mexico@zhermack.com

SOUTH AMERICA
Tel. +57 - 310 - 2601 777
info.colombia@zhermack.com

Zhermack®
BEYOND INNOVATION

Zhermack SpA
Via Bovazecchino, 109 - 45021 Badia Polesine (RO) ITALY - Tel. +39 - 0425 507611 - Fax +39 - 0425 53596 - info@zhermack.com - www.zhermack.com

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ