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UNIWELD
STROJEVI



www.uniweld-strojevi.com

In this new edition of the Catalogue of automated welding and cutting the firm Uniweld Strojevi d.o.o. offers a programme for various fields in welding and cutting techniques.

We represent the majority of our products which resulted from our own constructional development based on knowledge and experience acquired throughout years of collaboration with our subcontractors worldwide.

Our products

1. SPECIAL WELDING DEVICES

- Column & Boom
- Portal
- Device for transverse plate welding
- Devices made according to special customers' orders:
 - valve welding devices
 - pipe offset welding devices
 - devices for basic circle welding
 - telescope
 - circle welding device for pipes with thin walls
 - welding device for rocket cupoles
 - welding unit for pressure vessels
 - citoturn
 - uniturn

2. AUXILIARY MACHINES

- Rotating devices
- Positioners
- Handling devices
- Anti-drift devices
- Handling portal
- Devices for sheet conduction
- Tables for sheet welding with tractors

3. DEVICES MADE UPON CUSTOMER'S ORDER

- Devices for pipe threading
- Unit for sheet threading
- Devices for grid welding
- Device for sheet binding around pipes
- Device for pipe bending
- Press
- Grinding and milling device for pipes

Welding automation

Know How

Know How of the firm [Uniweld Strojevi](#) is based on many years of experience. We offer you [technical support](#) for production of your work pieces as additional quality warranty.


Devices

All devices produced by our firm are subject to control prior to delivery in order to achieve the required quality of the device. Control devices with their simple application facilitate the mounting on new devices. Robust design, efficiency and reliability of our devices is a guarantee for [NON-STOP](#) production.

Additional materials

Mechanical characteristics of the welded place depend on the combination of wire/powder and/or wire/gas. With support of our partner [Oerlikon](#), Germany we are able to offer the best combinations to you in order to achieve desired results.

Quality management

The same as you, so do we also discuss a lot the issue of customer's content. We guarantee that part by our obligation to comply with the demands of [ISO 9001:2008](#) standard, which has been certified by two certification institutions [Bureau Veritas](#) and the [Croatian Ship Registry](#). Pursuant to demands of the European Union our products bear the sign  approved by [ZIK](#) firm from Zagreb.

Maintenance and support area

We support your production and maintain our products. Due to help of our German partners [Uniweld Maschinenbau](#) and [Oerlikon](#) we are able to offer quick services within Europe and should you be anywhere further, the service is done upon agreement with you. Besides putting the device into operation we offer education for your employer who is going to operate and maintain the device.

Column & Boom

The devices are our professional answer to your demands. They are ideal for construction of vessels made of inox, non-alloy steel or light metals. These devices improve exploitation of automated MIG, MAG, SAW, WIG and plasma welding. They are used for inner welding in pipes up to min. diameter of 350 mm, for outer welding. Both options are suitable for circumferential and longitudinal welding. We can also offer you double-side welding i.e. one welding head on each balk side.

UNIWELD STROJEVI d.o.o. - a solution for customer's demands and needs!



Type	Total height [mm]	Min. and max. height up to the burner [mm]	Vertical console gear [mm]	Horizontal console gear [mm]	Vertical adjustment unit gear [mm]	Under-carriage feed rate velocity [m/min]	Vertical adjustment unit feed rate velocity [m/min]	Console feed rate velocity [m/min]	Support feed rate velocity [m/min]	Rotating speed [°/min]
US12-NAZ-22-1/2/7100x6600	ca.8350	ca.400-7400	ca.6600	ca.7100	ca.500	0-3	0-1	0-3	0-1,1	0-50
US11-NAZ-10-1/1/2100x4000	ca.5400	ca.140-4140	ca.4000	ca.2100	-	-	-	0-3	0-2	-
US11-NAZ-12-1/1/3786x2600	ca.5500	ca.55-4242	ca.3786	ca.2600	-	-	-	0,15-3	0,1-2	0-120
US12-NAZ-22-1/2/7000x6000	ca.8350	ca.400-7400	ca.6600	ca.6000	ca.500	0-3	0-1	0-3	0-1,1	0-50

Portal

A device which offers numerous options. It's used for outer welding, circumferential and longitudinal welding, especially with very long or very big work pieces (various carriers, carriages, box constructions, pipes for wind powers ...) Construction possibilities are numerous and are performed according to your requirements.

UNIWELD STROJEVI d.o.o. - everything is possible!!!



Type	Total height [mm]	Min. and max. height up to the burner [mm]	Vertical console gear [mm]	Horizontal console gear [mm]	Vertical adjustment unit gear [mm]	Support feed rate velocity [m/min]	Under-carriage feed rate velocity [m/min]	Carriage feed rate velocity [m/min]	Vertical adjustment unit feed rate velocity [m/min]	Air pressure [bar]	Rotating speed [°/min]
US12-POR-22-2/1/1 3500x2000	ca. 5850	ca. 0 - 2650	ca. 2000	ca. 3500	ca. 1500	1,3	0-4	0-4	0-2	min. 6	0-50
US12-POR-22-2/1/2/ 8500x6000	ca. 9188	ca. 1045 - 6965	ca. 6000	ca. ± 500	ca. 1000	1,1	0-3	0-1,5	0-1,5	min. 6	0-50
US24-POR-22-1/4/ 5700x6400	ca. 8145	ca. 0-3000	ca. 2000	ca. ± 3600	ca. 3000	1,3	0-5	0-4	0-2	min. 6	-
US12-POR-22-1/2/ 7500x5700	ca. 9100	ca. 1045- 5965	ca. 4920	ca. ± 500	ca. 1000	1,1	0-15-3	0,15-4	0,15-1,5	-	15-150

Device for longitudinal welding

Automatic devices for longitudinal butt welding enable quality binding and welding of welding materials with thickness of 0.5 to 3,0 mm without prior connecting and even up to 25 mm with connecting performed on the device itself. It is applied at butt welding of plates, rollers, boxes made of different materials with plasma, TIG, MIG-MAG and SAW welding procedures. Main characteristics are pneumatic burner lowering, water-cooled bar, pneumatic shutter and centering limiter.

UNIWELD STROJEVI d.o.o. – height-adjustable devices as shown in the picture are also possible!

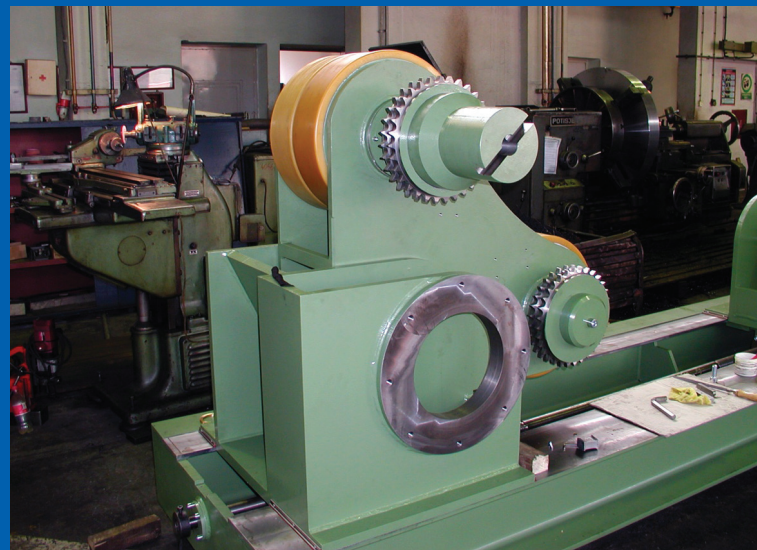


Type	Lenght [mm]	Min. pipe diameter [mm]	Application	Burner type
UM-LSV 600 So	9010	1600	inner welding	Plasma
UM-LSV 4,5 Storge	7771	1600	inner welding	Plasma + WIG burner
UM-LSV 1,5 SPS	2250	800	inner welding	Plasma

Rotating devices

Rotating device is an auxiliary device for running welding machines such as Column & Boom and Portal. Rotating device is used at welding of round and cone pieces of different diameters and length. They always appear in pairs where one is a drive and the other is a free unit. There is also hydraulic scissors-shaped rotating device with option for lifting and lowering of the work piece, then selfadjustable rotating device ... We are able to produce various kinds of rotating devices ranging from 2 - 400 tons bearing capacity.

UNIWELD STROJEVI d.o.o. - 400 tons up to now.



Type	Bearing capacity [t]	Undercarriage velocity [mm/min]	Rotating speed [mm/min]
US-OKR-2-2-60t	60	0-3000	0-2000
US-OKR-3-1-70t	70	0-3000	0-2000
US-OKR-3-2-30t	30	0-3000	0-2000
US-OKR-3-1-15t	15	0-3000	0-1500

Positioner

Positioners are special auxiliary devices used for running welding devices as Column & Boom and Portal or they are used only as an auxiliary device at standard welding. Positioners are produced with hydraulic cylinders, tooth segments and those with smaller dimensions with pneumatics.

There are different types of positioners: ascending, with height-adjustment, fixed.

UNIWELD STROJEVI d.o.o. –the biggest in Europe is produced by us with the bearing capacity of 250 t !



Type	Rotating speed [rpm]	Bearing capacity [kg]	Max. rotating moment [Nm]	Plate diameter [mm]
US-POZ-21-3T	0,06-1,18	3000	4500	1000
US-POZ-11-1,5T	0-1,5	1500	3000	3800
US-POZ-4-60T	0-1	60000	50000	3000
US-POZ-3-10T	0,015-1,4	10000	18800	1600

Heads for SAW welding

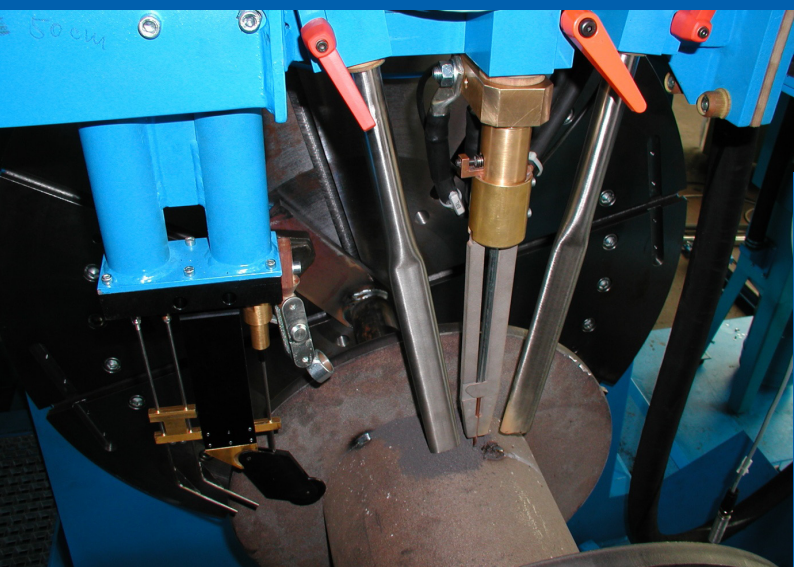
Know how of Uniweld Strojevi d.o.o is particularly emphasized at production of heads for SAW welding. Since you as a customer have various needs we offer you different types of welding heads.

Options are:

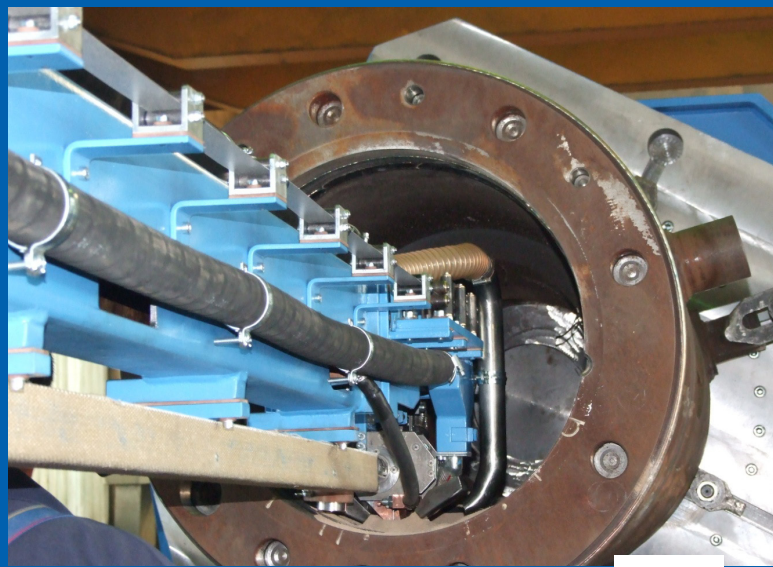
- head with a simple burner, head for deep welding
- with one wire, tandem variant, burners with three or more wires, tandem variant with three wires...



Head for deep welding up to 250 mm – with one wire, tandem variant



Head for band welding – a variant for welding in defined diameter and a variant for open measures



Special machines upon customer's order

Since there are different work items there are also different devices. They are called special because they are produced upon customers' request in order to meet all their needs. That's the situation where our know how and experience acquired through years of work is shown which still are being acquired since there is always something new.

Uniweld Strojevi – our know how for your needs!!!

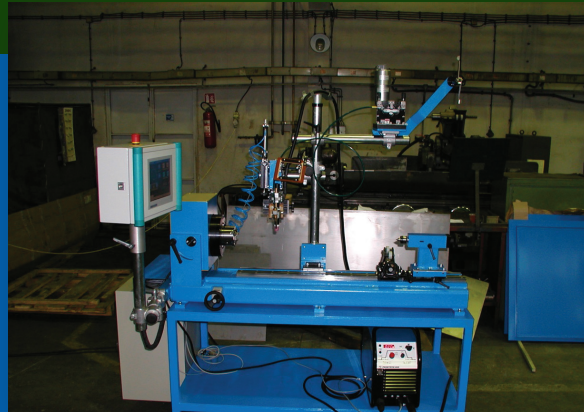
Unit for pipe offset welding



Unit for layer composition



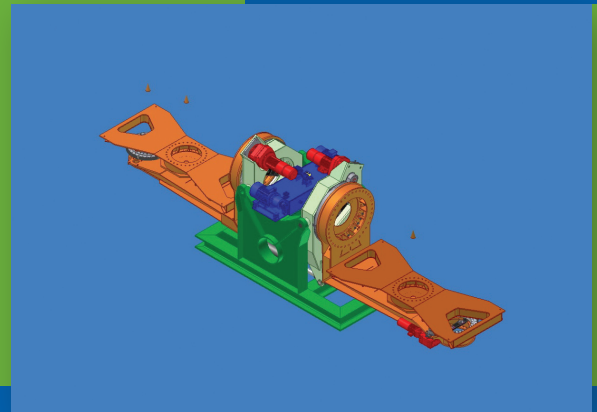
TIG welding unit



Valve welding unit



Manipulator



Pipe grinding machine



Sheet profiling line



Wind power production equipment

