

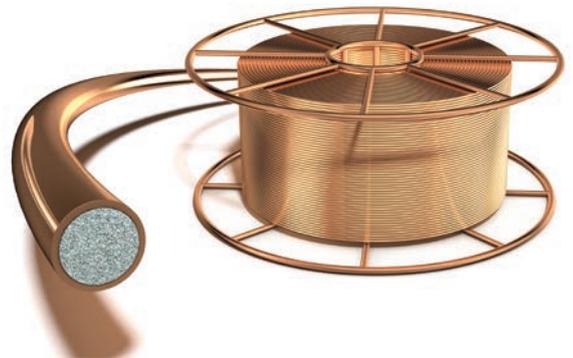
UTP ROBOTIC 600 T

Seamless metal-cored wire

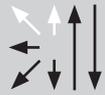
Premium seamless gas shielded metal-cored wire for applications in maintenance and repair in the tile industry

Product features	Product benefits	User benefits
<ul style="list-style-type: none"> » Specific design for tiles application 	<ul style="list-style-type: none"> » Good bead appearance » Good bead dimension in single-layer » Resistance to minimum life cycle 	<ul style="list-style-type: none"> » Low repair rating » Higher productivity » High welding speed » Longer life of the moulds » Suitable for automation » Superior tile quality
<ul style="list-style-type: none"> » Stable arc 	<ul style="list-style-type: none"> » Welder-friendly » Smooth wetting » Low spatter 	<ul style="list-style-type: none"> » Low defect rate » Good fatigue resistance » Less post weld cleaning
<ul style="list-style-type: none"> » Excellent feedability 	<ul style="list-style-type: none"> » Dependable feedability » Low contact tip wear 	<ul style="list-style-type: none"> » No starting defects » Increased arc time
<ul style="list-style-type: none"> » Seamless design 	<ul style="list-style-type: none"> » Copper-coated surface 	<ul style="list-style-type: none"> » Excellent arc stability » Resistance to porosity and rust formation

In ceramic tile manufacturing, moulds are subjected to high wear due to continuous cutting and shaping operations. To maintain precision and extend mould life, the cutting edges are reinforced through welding with a hard-facing consumable selected for its superior hardness, abrasion resistance and compatibility with the mould steel. This welding minimizes edge wear, reduces downtime for mould replacement and ensures consistent tile quality during production. UTP ROBOTIC 600 T is an innovative and tailor-made product - specially designed for cutting edges of moulds.



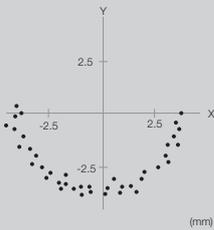
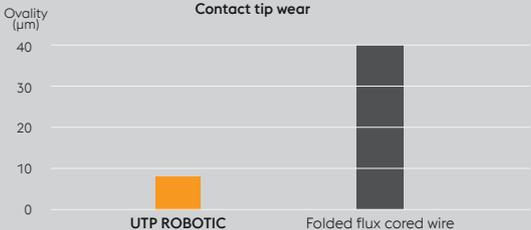
UTP ROBOTIC 600 T

Classifications		Operating data Allows welding with standard power sources	
EN 14700	Welding positions	Polarity	Shielding gas
T Fe 8		DC+	EN ISO 14175: M21

Typical chemical composition, all weld metal, wt. %						
Shielding Gas	C	Si	Mn	Cr	Mo	V
M21	0.4	2.7	0.45	7.6	0.15	0.40

Mechanical properties, all weld metal (single values typical)		
Shielding gas	Condition	Hardness as welded (HRC)
M21	as welded	57 – 62

Welding parameters, dia. 1.2 mm					
Wire speed (m/min)	Current (A)	Voltage (V)	Welding speed (cm/min)	Stick out (mm)	Interpass temp. (C°)
6.5 – 7.5	200 – 210	26 – 29	65 – 75	15	≤ 250

Wire positioning and impact points		Contact tip wear
UTP ROBOTIC	Folded flux cored wire	80% less contact tip wear = less maintenance and downtime
		

Overview spool types		
Wire basket spool BS300		
	Precision layer wound Art. no. 89721 Dimensions Ø external: 300 mm Ø internal: 52 mm Width 100 mm	Available spool weight: 16 kg Available diameter: 1.2 mm
Plastic spool S300		
	Precision layer wound Art. no. 88594 Dimensions Ø external: 300 mm Ø internal: 51 mm Width 100 mm	Available spool weight: 15 kg Available diameter: 1.2 mm