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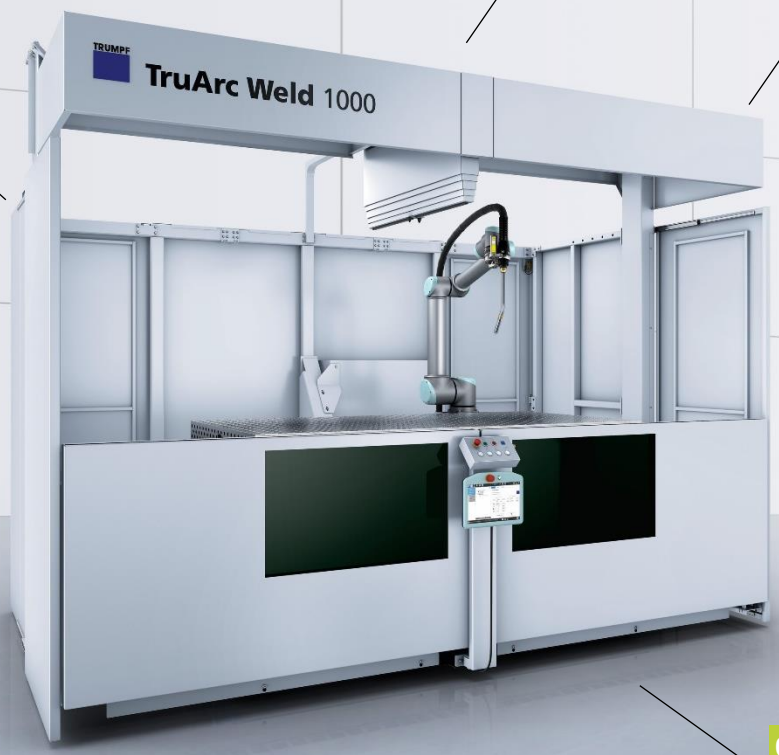
TruArc Weld 1000

Get started with automated welding

02
Flexible
working and postioning

03
Fast
setup and start



01
Easy
operation and programming

04
Productive
welding

05
Secure and networked
according to TRUMPF standards

Pictures are to be understood as an example and may show machine options as well.

TRUMPF

Easy automation of manual welding

Do you manually weld standard sheet metal components using electric arc? Then you'll be familiar with the following scenario: It's hard to find welding experts and programming is not usually worthwhile for small quantities and short seams. The specialist knowledge required for setting up a welding robot is also often lacking. All this can be remedied by the TruArc Weld 1000. It is profitable even for small lot sizes, is easy to program, and can afterwards be operated by non-expert workers. This frees up your welding specialists' time for more complex tasks.

01

Easy

operation and programming

The welding cell's wild card is its extremely easy programming. The welding start and end points are input via buttons on the welding torch. The robotic arm is then manually moved from point to point. Pendulum movements can also be easily adjusted. Welding parameters and templates for welding programs are included.

02

Flexible

working and positioning

Depending on the component and lot size, the welding cell can be operated using one- or two-station operation. Thanks to the "loading by crane" option, even large and heavy components up to approx. 2000 × 600 × 600 mm can be processed. Components can be placed flexibly and precisely on the 3D welding table. Components can be precisely aligned with the optional rotary axis.

03

Fast

setup and start

Plug in and start welding. Your machine comes with everything you need – from wire coils to welding parameters. You can set it up wherever it's needed and put it into operation by yourself within hours. No training is required – e-learnings are sufficient to program and operate the machine. If your hall plan changes, simply reposition the machine.

04

Productive

welding

In two-station operation, you can set up parallel to production and carry out highly productive processing for small to large batches. In this process, it does not matter whether you weld the same component on both sides or different ones. Speed is ensured by high-performance equipment from Fronius. For thin materials, the CMT welding technology package ensures higher process reliability, less weld spatter and distortion.

05

Secure and networked

according to TRUMPF standards

Play it safe with the CE-compliant and TÜV-approved welding cell. The safety cabin comes with safety control, automatically opening anti-glare protection, a self-cleaning exhaust system and LED lighting. The collaborative robot has collision protection. The working area is easily accessible from all sides via doors. With the Extension Cube Weld, you can also integrate the machine into your networked production.

Axis data		
Model		Collaborative industrial robotic arm
Number of axes		6
Range	mm	1300
Repeatability	mm	±0.05
Welding source		
Model		Fronius TPS 320i C PULSE
MIG/MAG welding current range	A	3–320
Dimensions and weights		
Cabin dimensions	mm	3605 × 2454 × 2818
Weight	kg	2940
Work area		
Typical max. component size (with closed telescopic center separation)	mm	600 × 600 × 600
Typical max. component size (with open telescopic center separation)	mm	2000 × 600 × 600

Subject to alteration: Only specifications in our offer and order confirmation are binding.

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TIN271gu_ex 16.12.2023