

# TUNGSRAM

Innovation is our heritage  
EST. 1896

## Welding 2019

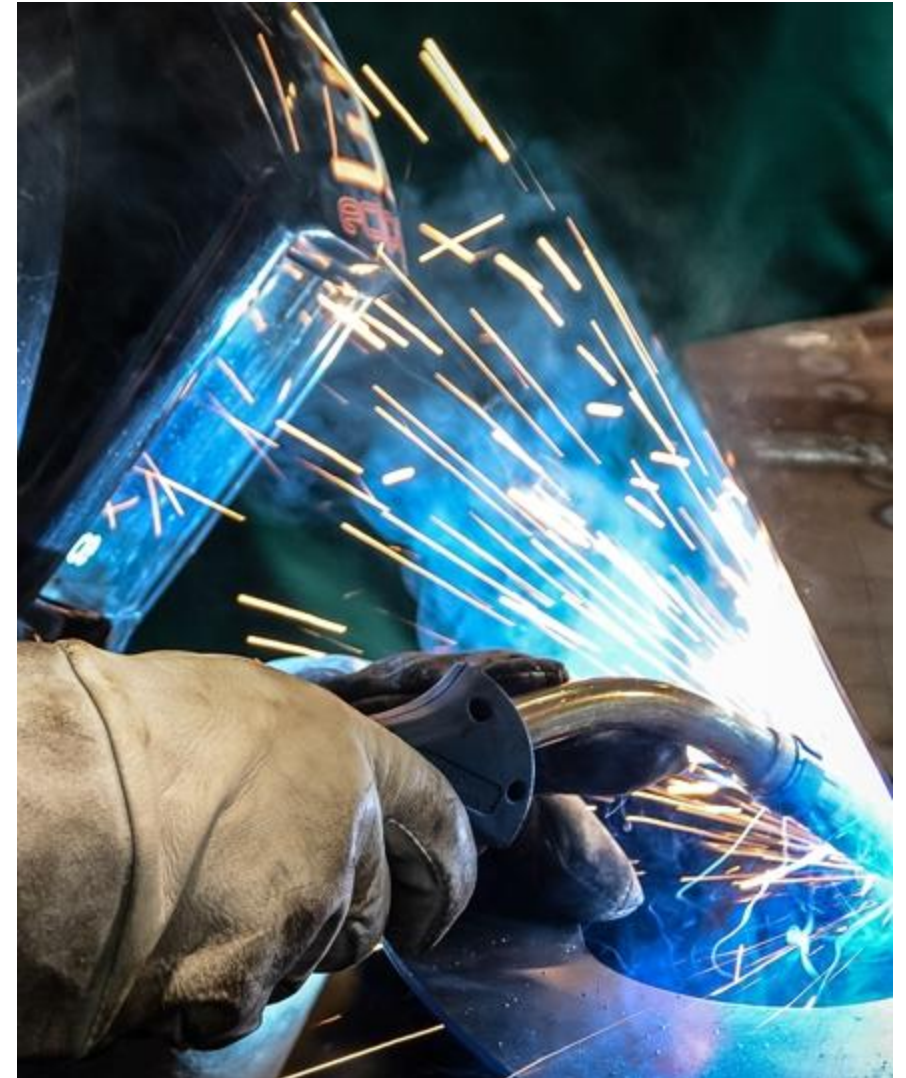


# Introduction

**Tungram produces excellent quality products that comply with international and domestic standards according to the traditions of the company.**

We pay attention to the special education of our staff and the continuous development of our equipment. Our business unit provides welding of **superalloy materials** as well as **aviation services** demanding the highest quality of service.

Tungram welding owns leading technologies and capabilities.



# Tungram welding technologies

Tungram welders have experience in welding of structure, stainless steel, aluminum, and other superalloys.

Our staff has been TÜV certified to Pa, Pb, Pf welding positions.

Validity range: sheet metal thickness: 3-24 mm, welding seam layer: 5 mm, seam shape: 5 mm

- Gas Metal Arc Welding (MIG) – 135 GMAW
- Gas Tungsten Arc Welding (TIG) – 141 GTAW
- Oxyacetylene welding – 311 OAW
- Resistance spot welding – 21 RSW
- Plasma cutting



# Aviation

Processes what we are doing

## Incoming inspection & repair

- Visual check for cracks, distortions, missing parts, identification, NDT-penetration inspection, damages
- Measurements: geometrical, thickness of coating
- Cosmetic surface grinding, TBC coating strip
- Disassembly segments, mount seals, repair with AWI
- Taking photos, reporting



# Facility equipment



**Bridge crane** 2 pcs (500 kg maximum load)

## **Grinding**

**Professional Sigmund welding tables:** 2 pcs (2400 x 1200 mm)  
and 2 pcs (2000 x 1000 mm) with extensions

**Tube bender** up to Ø 40 mm

**NCT MM850 CNC** lathe machine center (800 x 500 x 500 mm) with  
3+1 axis and 20 other lathe machines

## **Welding equipment**

- Miller XPS450
- Miller XMS425
- Miller Dymasty 280 (2 pcs)
- ATIG 315 PAC  
Arc welding equipment, with Argon gas and tungsten electrode
- MIG 253 DIGITAL  
Arc welding equipment, with CO2 gas
- ITIG 200 DC  
Man-portable arc welding equipment
- ACUT RA-PLAS-120A  
Plasma cutter

# NDT Non-destructive testing technology

## NDT Shop

Visual inspection L2

Penetration inspection L2

- Red Dye
- FPI
- NDT Engineering Support L3

## Geometric Measurements

In laboratory



# Certificates, our sites

## Existing Certification

- TÜVRheinland

## Planned Certification

- Aluminum welding
- Buttwelding
- Tube welding
- ISO 3834
- AWS D17.1/D17.1M: 2010-AMD1
- AWS D17.2/D17.2M: 2013

## Welding solutions in Hungary

- Budapest
- Kiskőrös

Contact us:

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