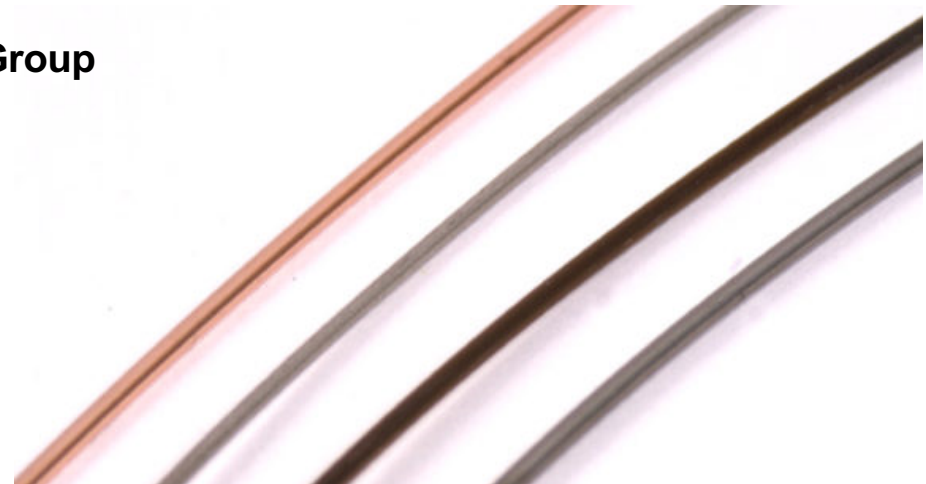




# CWW - Coated Welding Wire

A partner of HLT Group

**SPECIALIZED WELDING CONSUMABLES  
FOR YOUR APPLICATION**



## OUR TECHNOLOGIES



- HLT CWW uses new technology for producing welding consumables
  - by applying different element to the surface,
  - enables the production of welding consumables which have not been possible up to now
  - which are only time-consuming and cost-intensive
- Modified continuous PVD process, which allows an exact adjustment of alloy composition
- Resulting significant influences on the welding process:
  - Influencing the arc plasma
  - Setting the drop transfer
  - Setting the penetration
  - Setting the arc length
  - Adjusting the chemical composition
  - Adjusting the mechanical properties – higher strength



# OUR CORE COMPETENCE



## We offer:

- Improvement of process properties
- Individual adapted alloys
- High-strength steels up to 1,400 Mpa
- Flexible volumes
- Fast available

## Welding consulting:

- Welding consumables and auxiliary materials
- Welding procedures and process optimization
- Qualification
- Industrial manufacturing equipment
- Welding joint qualification, quality control

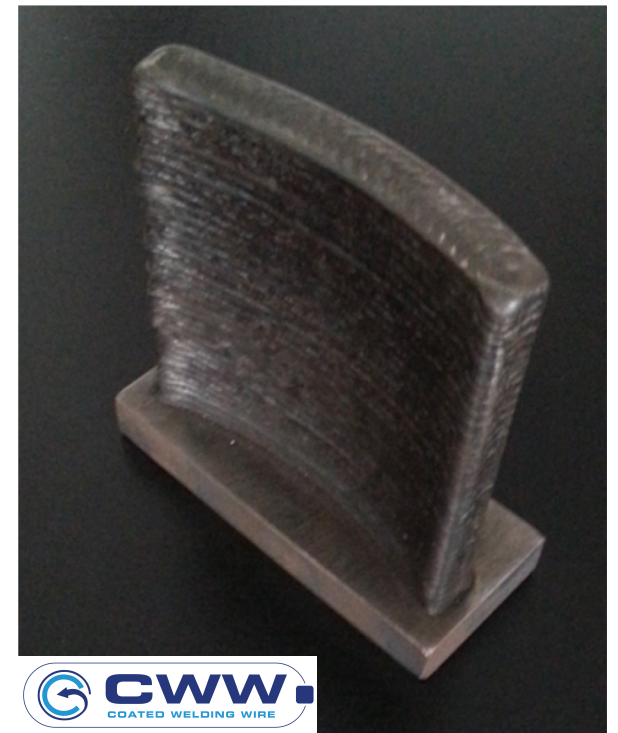
**You will profit from many years of CWW's experiences in joining technologies. Our Solutions will help you to solve your joining issues effectively. From the idea to the finished product.**

# OUR MATERIALS



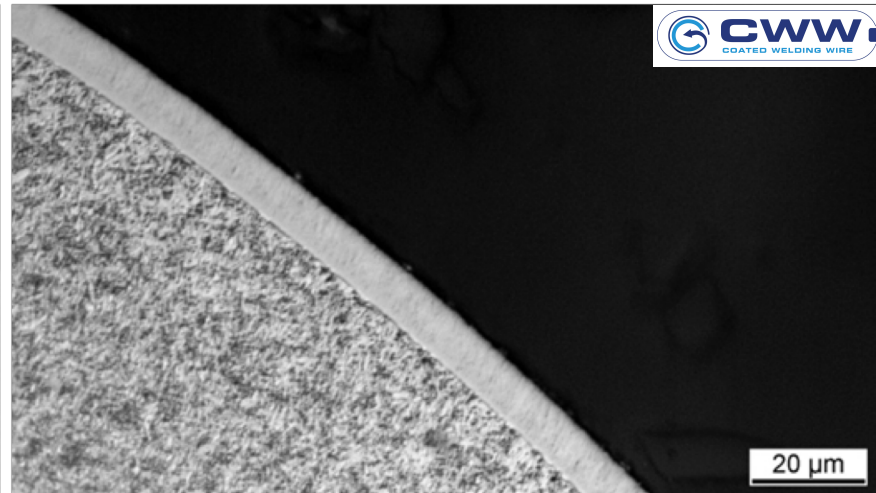
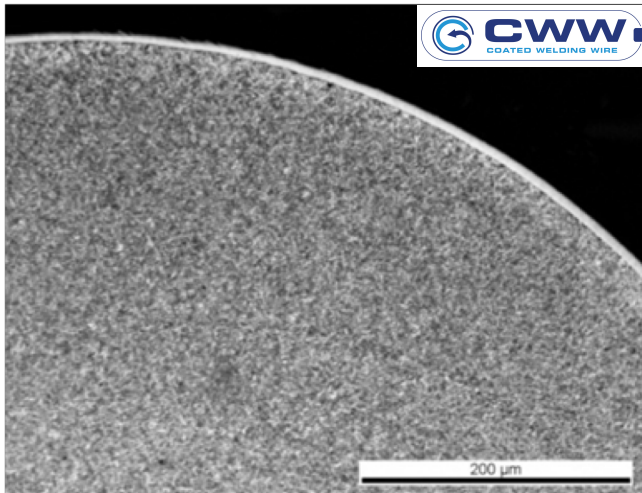
Using high value wire with customized coatings:

- Mild Steel
- Aluminium
- Titanium
- INVAR36
- Further Nickelalloys
- INCONEL 725, etc.
- High Alloyed Steel and Tooling Steel
- Others





# NEXT GENERATION OF WELDING CONSUMABLES



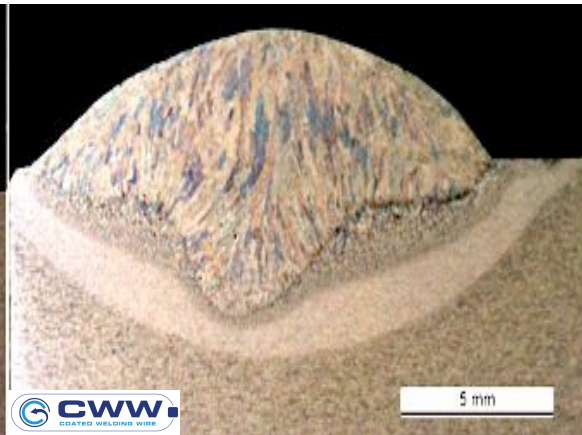
Detailed view: PVD process coated (Titanium) welding wire

# NEXT GENERATION OF WELDING CONSUMABLES

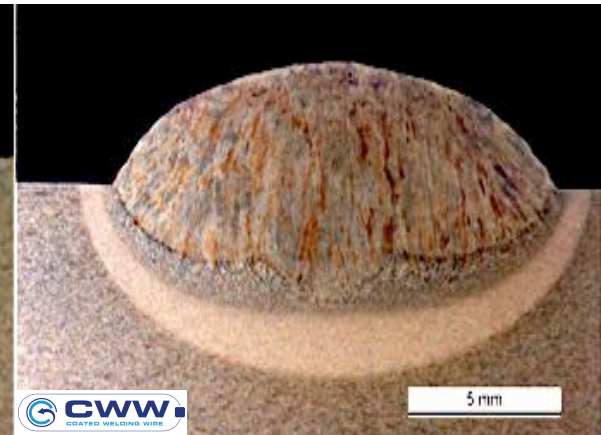
Welding formation



Wire coated with TiN

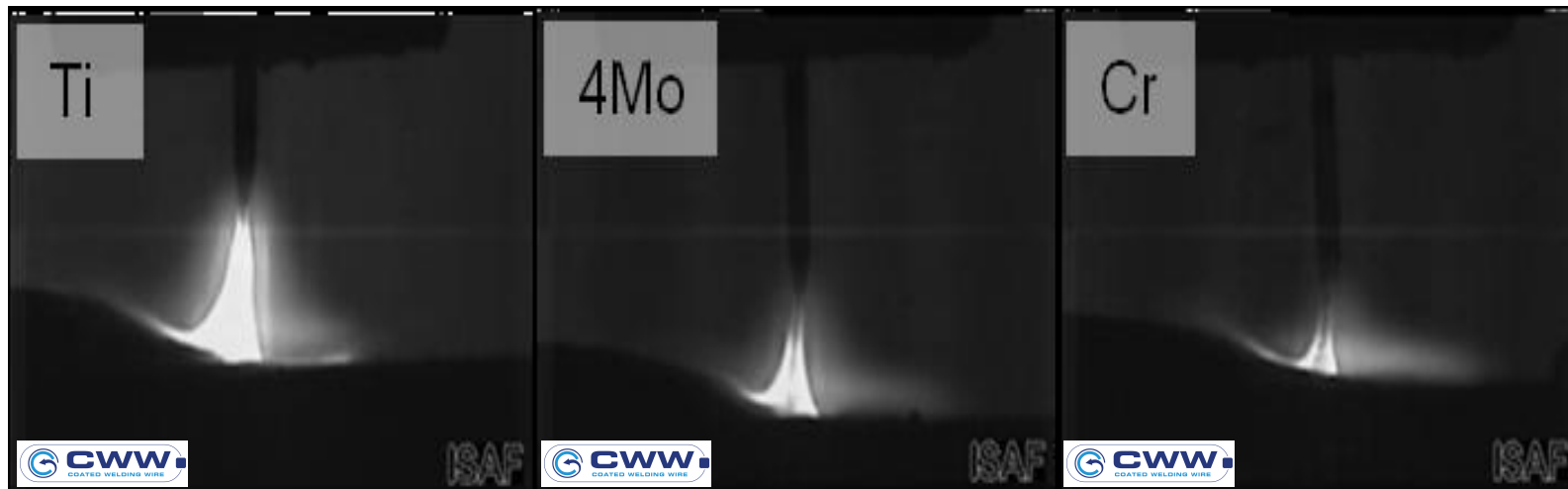


Coppered wire



Wire coated with CR + C

# NEXT GENERATION OF WELDING CONSUMABLES

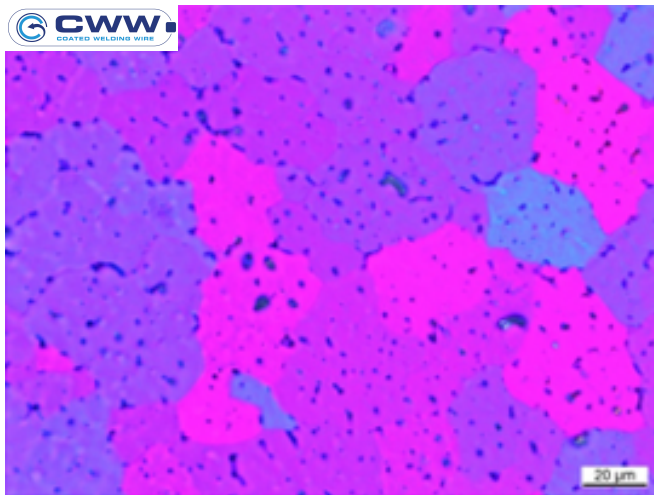


Arc formation with different coated wire electrodes

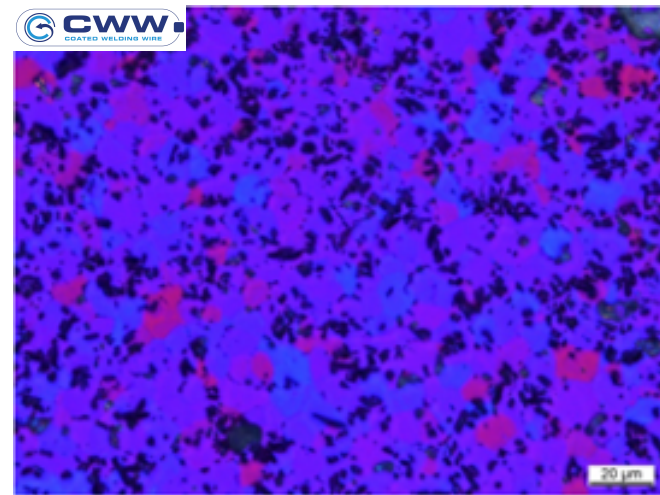
# NEXT GENERATION OF WELDING CONSUMABLES



Grain refining



AlMg3 weld metal with uncoated  
electrode



AlMg3 weld metal with coated  
electrode

# OUR CERTIFICATE – EN9100:2018





Certificate No. **9245/0**  
Certificato N. **9245/0**

WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY  
SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ DI

**ROBAPRO, SE**

Certification Structure / *Modello Organizzativo*  
**CAMPUS**

HEADQUARTER AND OPERATIVE UNIT / *FUNZIONE CENTRALE ED UNITÀ OPERATIVA*  
**Videnska 104, Vestec 25250,  
Czech Republic**

IS IN COMPLIANCE WITH THE STANDARD / *È CONFORME ALLA NORMA*  
**EN9100:2018**

TECHNICALLY EQUIVALENT TO / *TECNICAMENTE EQUIVALENTE A*  
**AS9100D - JIS Q9100:2016**

FOR THE FOLLOWING ACTIVITIES / *PER LE SEGUENTI ATTIVITÀ*  
**EA: 18 - 19 - 21**

Distribution, development and manufacture of additive coated welding  
wires, additive manufacturing applications, facilities and technologies for  
plastics and metals and mobile welding applications with a focus on laser  
welding and their services.

Allegato: Appendice Funzione Centrale ed unità operative (l'appendice è parte integrante del presente certificato).  
Anexo: Anexo Central function and operative units (the appendix is part of this certificate).  
La valutazione è stata eseguita in accordo ai requisiti della norma UNI EN 9104 (01/2013) e del Regolamento Tecnico di ACCREDIA RT-18.  
The evaluation has been performed in accordance with EN 9104 (01/2013) standard and ACCREDIA Technical Regulation RT-18 requirements.

DATA DI EMISSIONE ISSUE DATE <b>05/12/2018</b>	EMISSIONE CORRENTE REISSUE DATE <b>05/12/2018</b>	DATA DI SCADENZA EXPIRY DATE <b>04/12/2021</b>
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**ICIM S.p.A.**  
Piazza Don Enrico Magelli, 75 - 20099 Sesto San Giovanni (MI) - www.icim.it

04562CM\_02\_IT

SGQ N°3084A  
Member degli Accordi di Mutual Recognition DA, IAF e ILAC  
Signatory of DA, IAF and ILAC Mutual Recognition Agreements

  
www.cisq.com  
CISQ è la Federazione Italiana di Organismi di  
Certificazione del sistema di gestione aziendale.  
CISQ is the Italian Federation of management  
system Certification Bodies.




Certificate No. **9245/0**  
Certificato N. **9245/0**

**ROBAPRO, SE**

Certification Structure / *Modello Organizzativo*  
**CAMPUS**

**Central function and operative unit / *Funzione centrale e Unità Operativa***

Videnska 104, Vestec 25250,  
Czech Republic

**Management, Resources, Manufacturing,  
Maintenance, Logistics.**

**Unità Operative / *Operative Units***

<p><b>HLT GULLIVER UG</b> Dammstrasse 8, 30938 Burgwedel Germany</p> <p><b>HLT-CWW GmbH</b> Dammstrasse 8, 30938 Burgwedel Germany</p> <p><b>Set Ltd.</b> Dammstrasse 8, 30938 Burgwedel Germany</p>	<p>Project Management, Engineering and Order preparation of additive manufacturing applications, facilities and technologies for plastics and metals.</p> <p>Project Management, Engineering and Order preparation of additive coated welding wires.</p> <p>Project Management, Engineering, Order preparation, External Order Fulfilment of mobile welding applications with a focus on laser welding and their services.</p>
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Il presente Allegato non è da ritenersi valido se non accompagnato dal relativo Certificato.  
This Annex is not valid without the relevant Certificate.

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## OUR PARTNERS

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TU Clausthal

[www.isaf.tu-clausthal.de](http://www.isaf.tu-clausthal.de)

## YOUR BENEFITS



- We manufacture coated filler materials for you according to your requirements
- Application-specific chemical composition
- Reduction of rework due to process stabilization (e.g. reduction of spatter)
- Cost reduction for special grades
- Available in small quantities from 5 kg upwards (GMAW, TIG) or from 200g welding filler (Laser)
  - specific chemical compositions also available outside standardization in small quantities and very small quantities
  - Process properties tailored to your problem
  - stabilized welding processes (MSG, laser, TIG, etc.)
  - Reduction of spatter
  - Welding consumables as solid wire, which can not be produced conventionally

**Thank you for your attention  
and  
we would be happy to answer your questions**





# CONTACT



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