More efficient TIG welding

TIG welding is becoming more productive. APUS 20 C cold wire feeder

APUS – the clever cold wire feeder, designed specifically for REHM AUTOMATION.SYSTEMS. This portable unit makes TIG welding more efficient and is suitable for all applications where high seam and a good visual quality are required.
The APUS 20 C cold wire feeder sets the pace for automatic and semi-automatic TIG welding, bringing improved productivity to the system. The feeder is suitable for all cold-wire TIG welding applications:

- Increases welding speeds
- Higher efficiency thanks to a higher deposition rate
- High seam quality
- High visual quality
- Costs reduced by using additional material
- Regulates the temperature input
- Produces fill volume
- Welding safety-related components
- Increases competitiveness

High-precision wire feed
The APUS 20 C is fitted with a precision stepper motor for wire feed speeds from 0.1 to 20.0 m/min at full torque.

Application – related processes
- High-precision wire feed
- Pulsing via pulse times
- Pulsing via synchronisation with the power source

Secure and stable fixing for the wire feeder on the torch
- Very high and reproducible positioning using the adapter ring and wire feed

Optimisation opportunities
- All wire feed parameters are adjustable
- Controlled wire retraction at the end of the welding process
- Slip compensation after wire retraction

Easy connection
- Via a CAN connection to the INVERTIG.PRO and VELA turntables

Memory for settings
- Up to 99 programs can be stored

Functions can be called up directly from the torch (INVERTIG.PRO)
- Wire positioning when idle
- Manual start/stop
- Automatic start/stop
The REHM Performance Program

- **REHM MIG/MAG inert gas units**
  - SYNERGIC.PRO gas and water cooled up to 450 A
  - SYNERGIC.PRO water cooled from 500 A to 600 A
  - MEGA.ARC® steplessly variable up to 450 A
  - PANTHER 202 PULS impulse welding machine with 200 A
  - MEGA.PULS FOCUS® pulse welding machines up to 500 A

- **REHM TIG inert gas welding units**
  - TIGER® 170 and 210 A, single phase
  - INVERTIG.PRO® and INVERTIG.PRO® digital 240 up to 450 A, three-phase
  - INVERTIG.PRO COMPACT and INVERTIG.PRO COMPACT digital 240 to 450 A, three-phase

- **REHM manual arc welding unit**
  - BOOSTER 140, BOOSTER.PRO 170 and 210, single phase
  - BOOSTER.PRO 240 to 450 A, three-phase

- **Welding turntables**
- **REHM plasma cutters**
- **Welding accessories and materials**
- **Welding fume extractors**
- **Technical welding advice**
- **Torch repair**
- **Service**

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