



SCHWEISSTECHNIK LAMBACH

GmbH

Schweiss-, Schneid-, und Wärmetechnik - Spezialwerkstätte und Gaselager



ORBITAL WELDING POWER SUPPLY ORBIMAT 180 SW





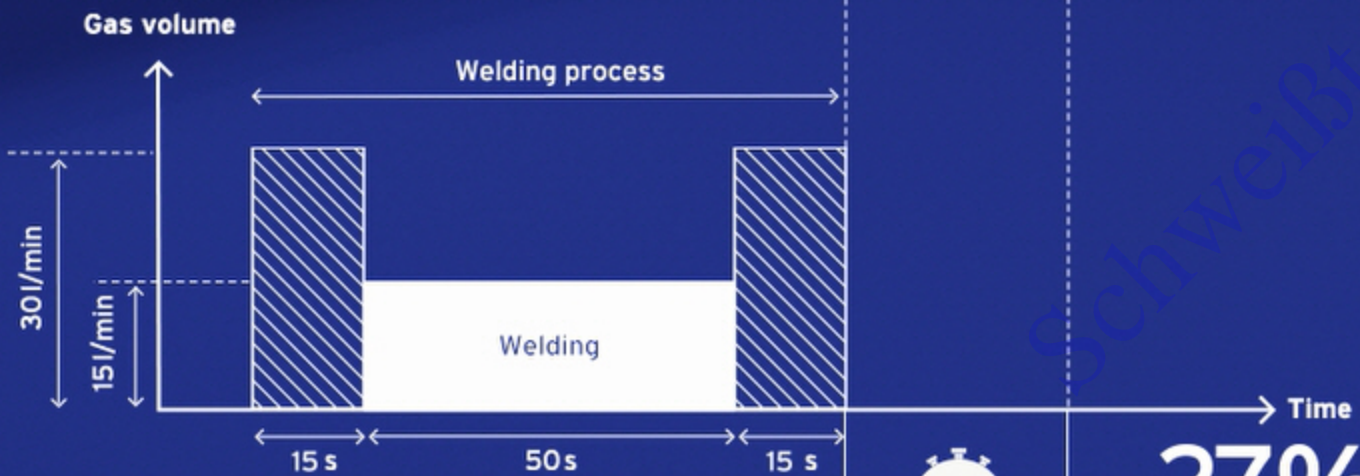
TIME SAVING DUE TO DIGITAL CONTROLLED FLOW-FORCE FUNCTION



TRADITIONAL CYCLE



DIGITAL CONTROLLED FLOW FORCE CYCLE

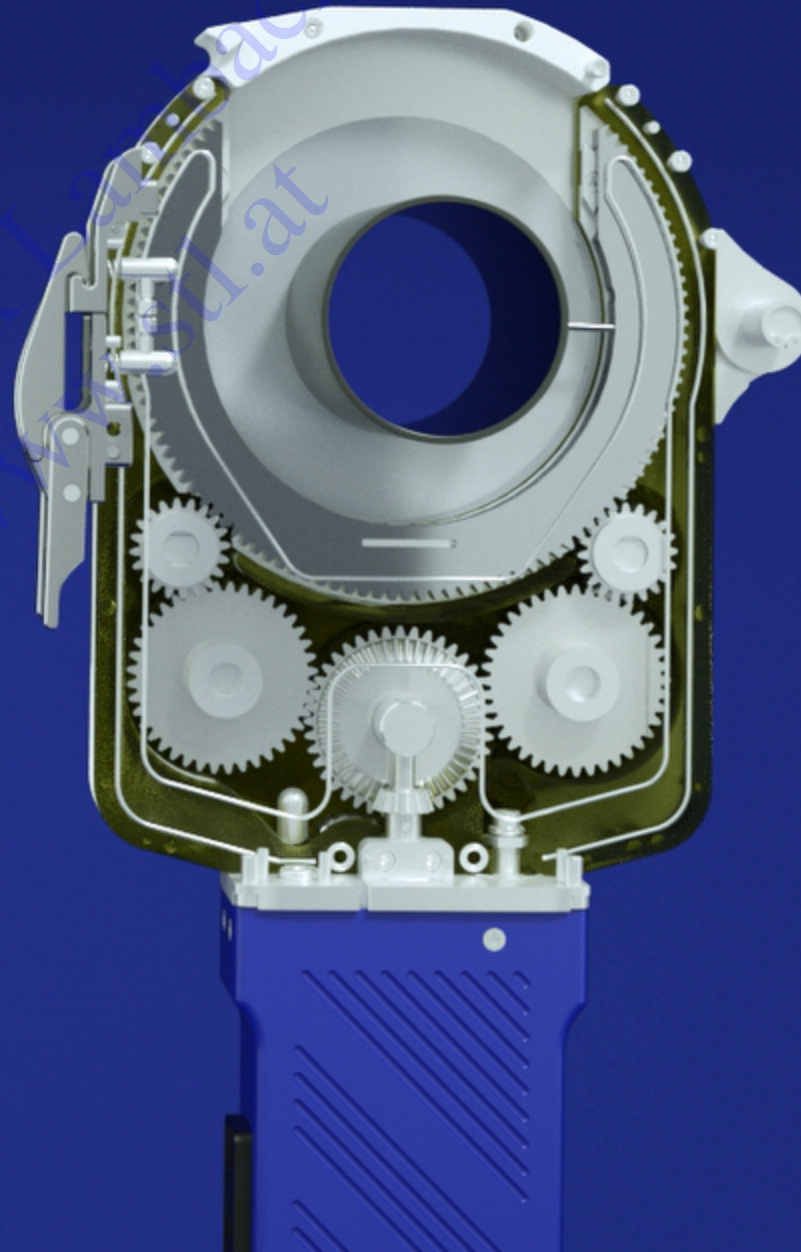


← **27%**

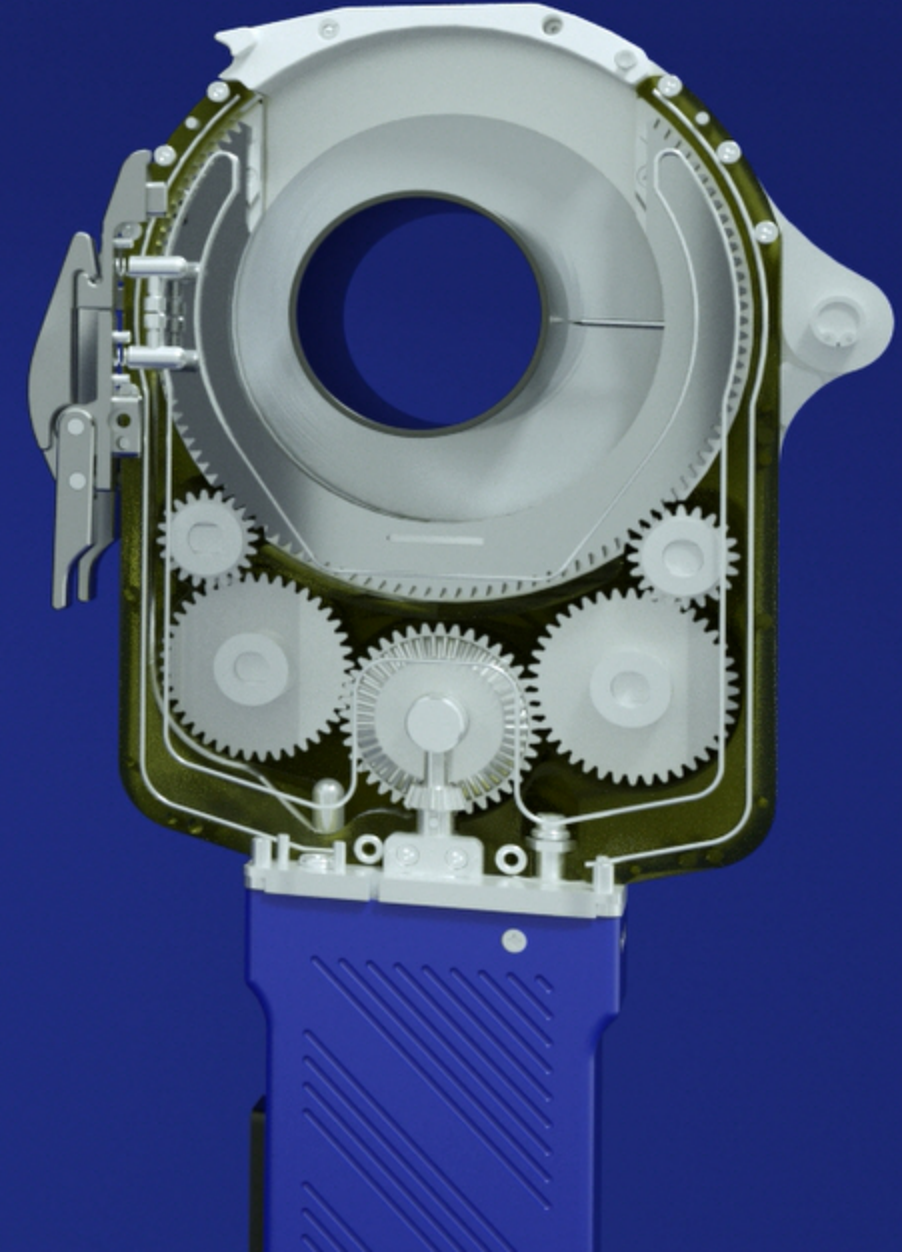
Less time per weld cycle

Time saving

DIGITAL CONTROLLED FLOW FORCE CYCLE



TRADITIONAL CYCLE





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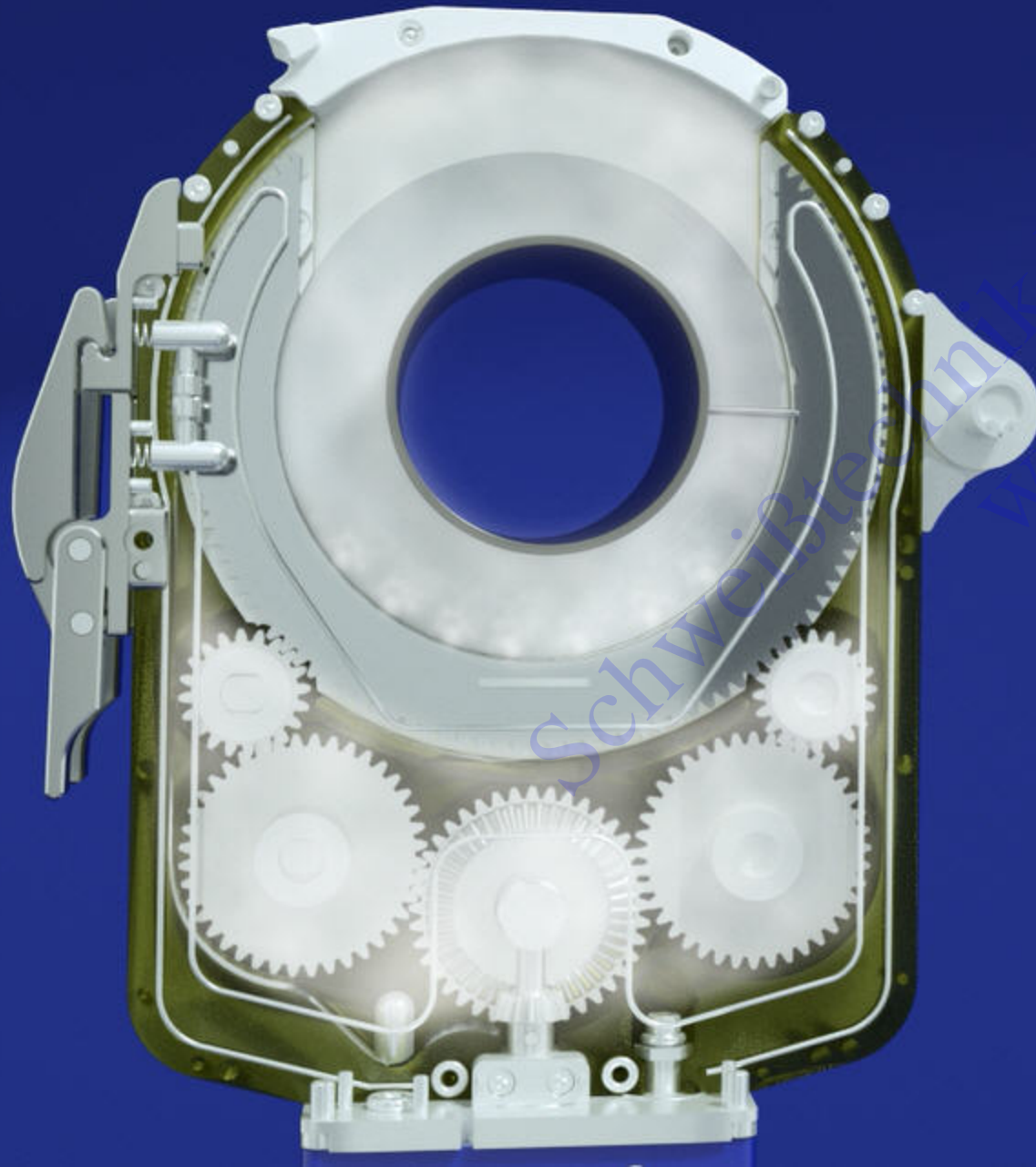
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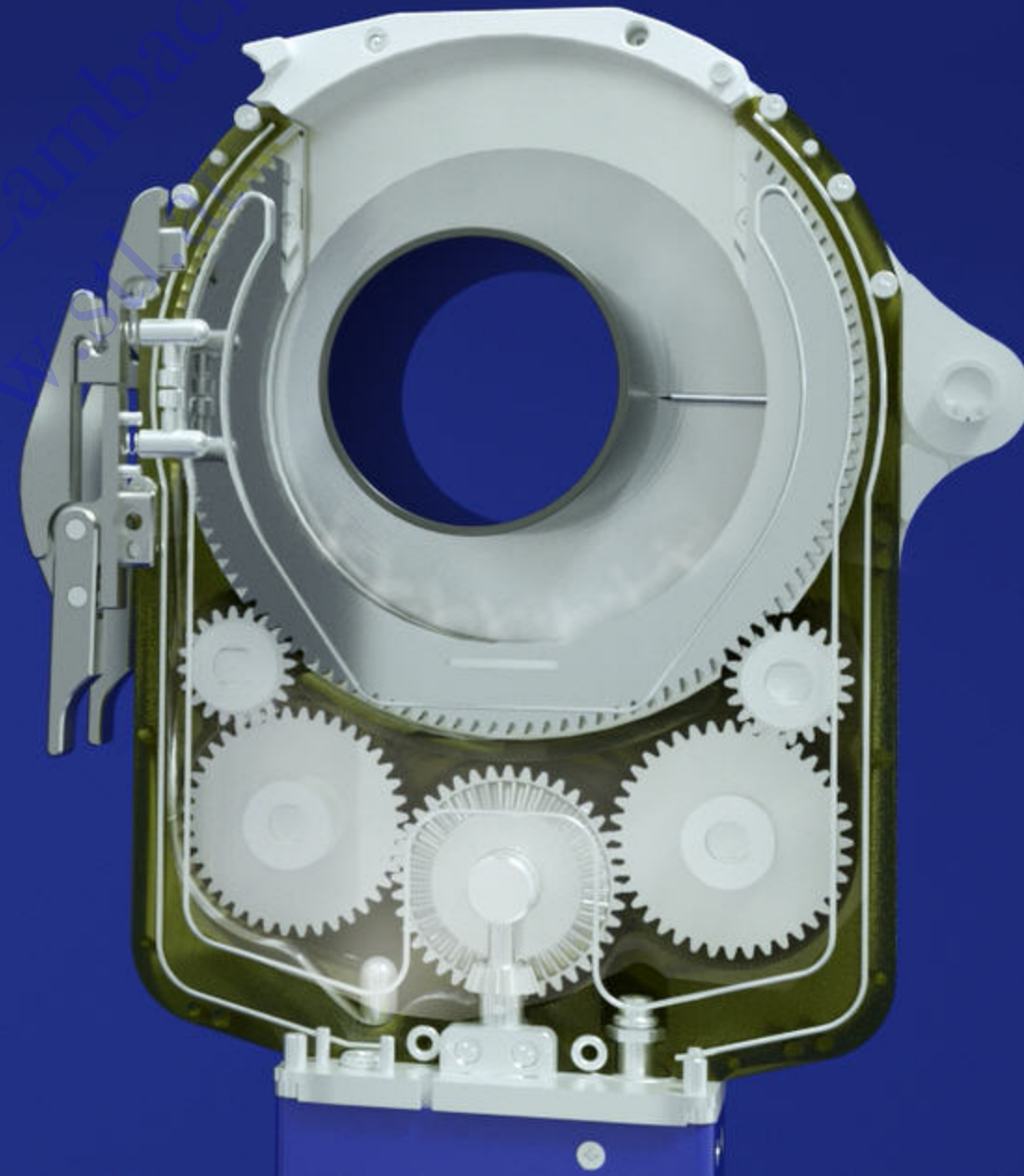
TIME SAVING DUE TO DIGITAL CONTROLLED FLOW-FORCE FUNCTION



**DIGITAL CONTROLLED
FLOW FORCE CYCLE**



TRADITIONAL CYCLE

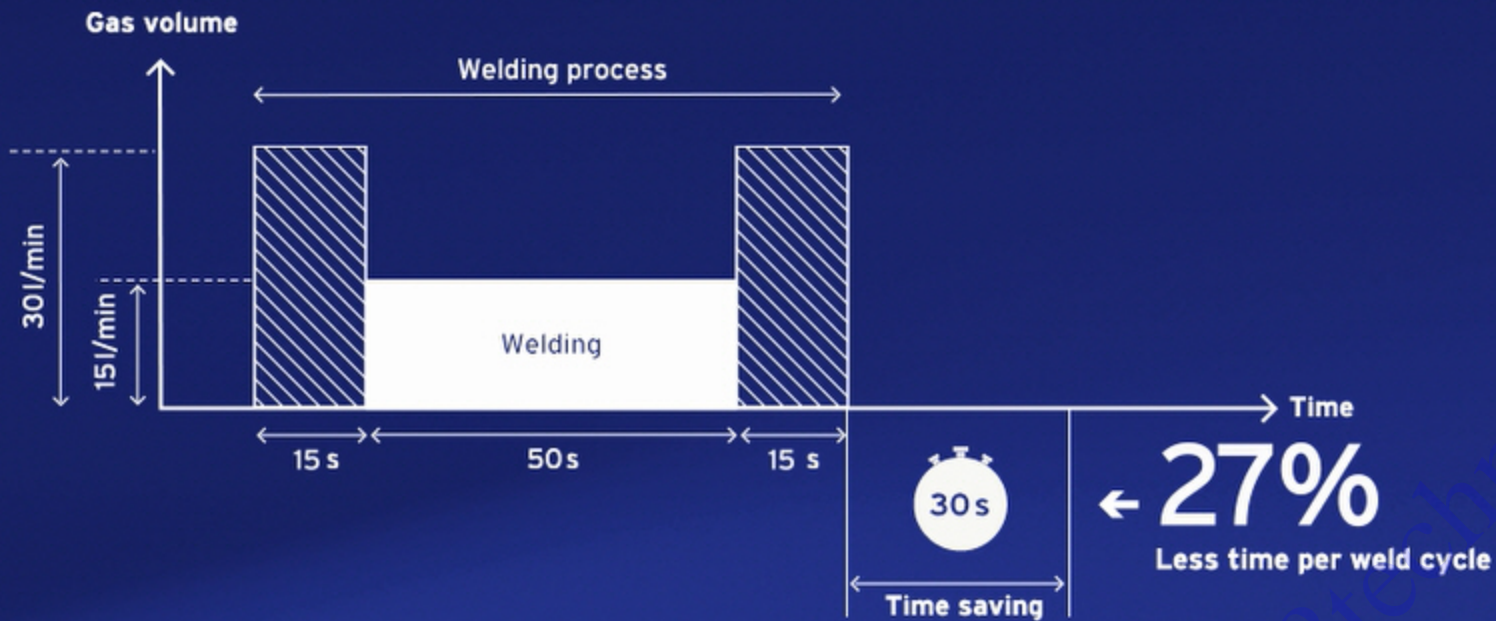




TIME SAVING DUE TO DIGITAL CONTROLLED FLOW-FORCE FUNCTION

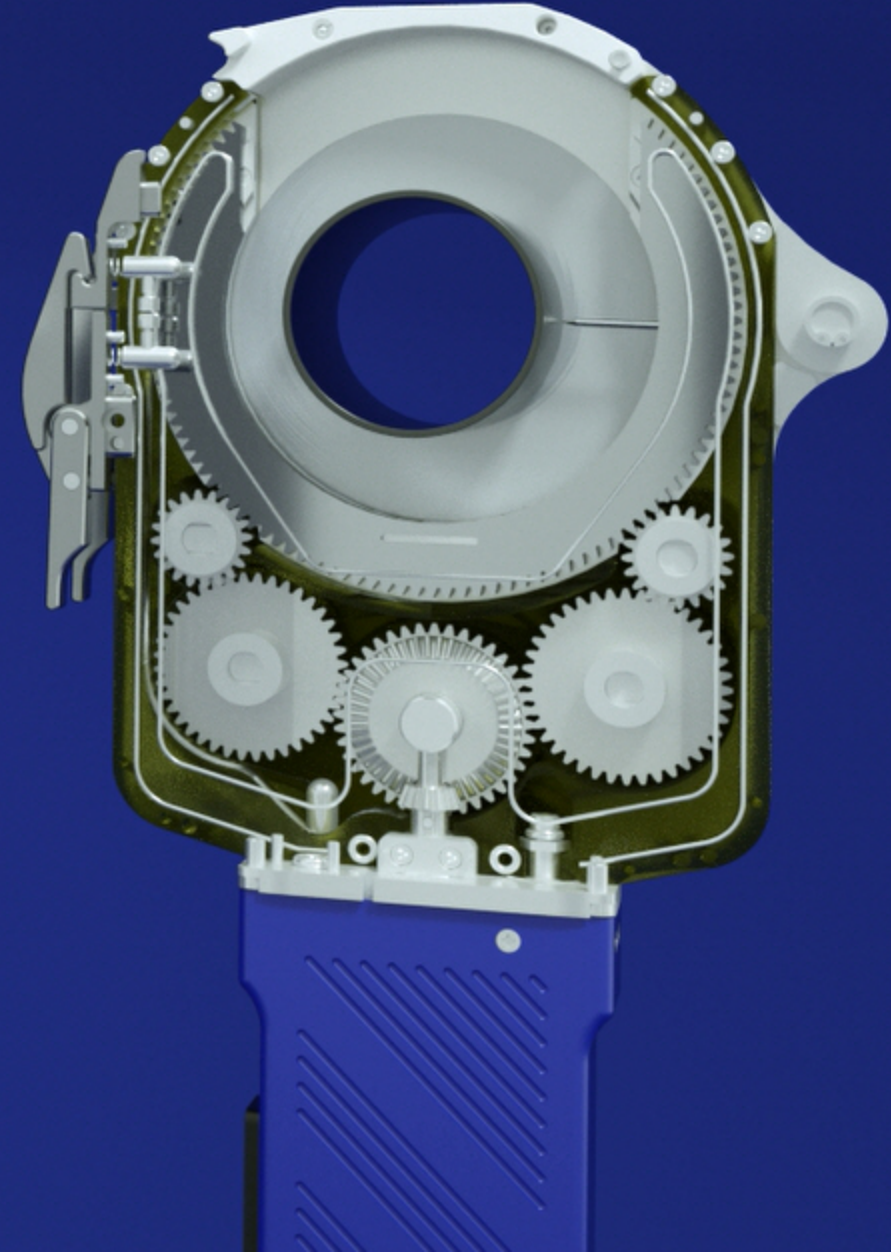
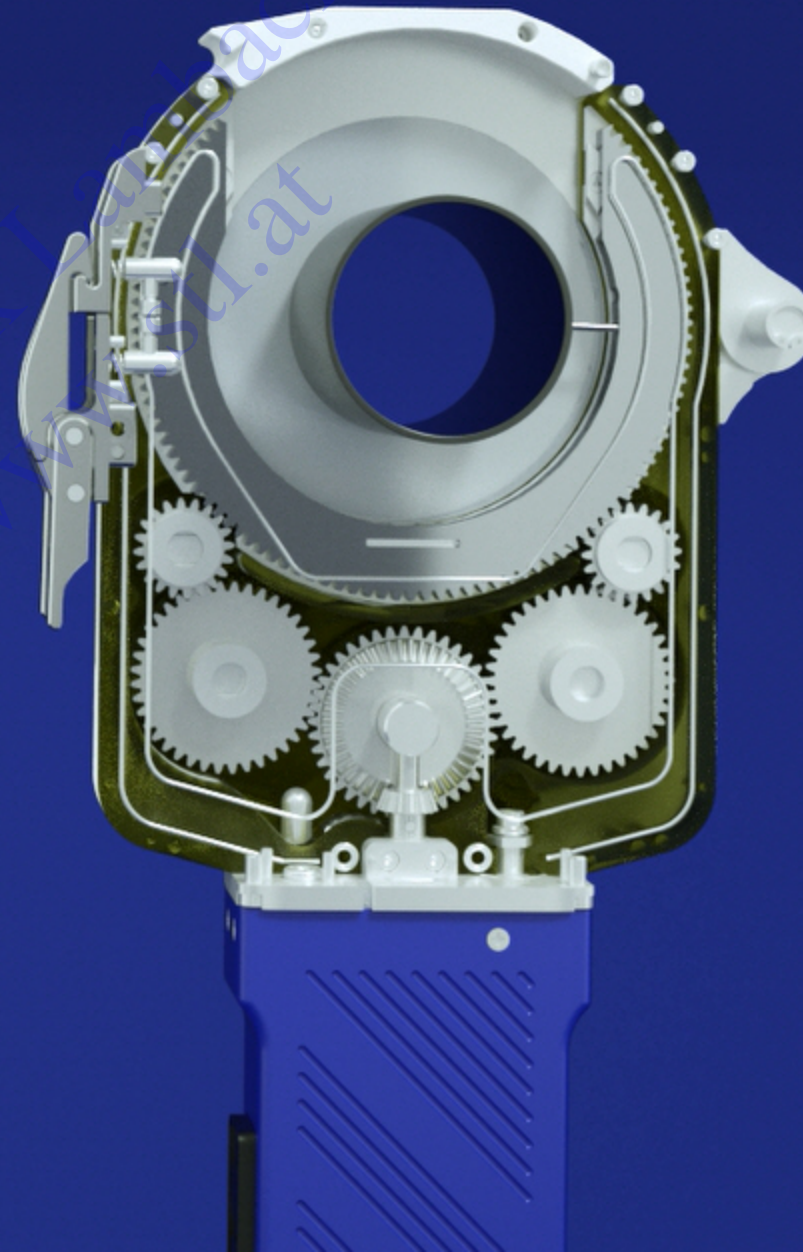


DIGITAL CONTROLLED
FLOW FORCE CYCLE



DIGITAL CONTROLLED
FLOW FORCE CYCLE

TRADITIONAL CYCLE



PRODUCTIVITY

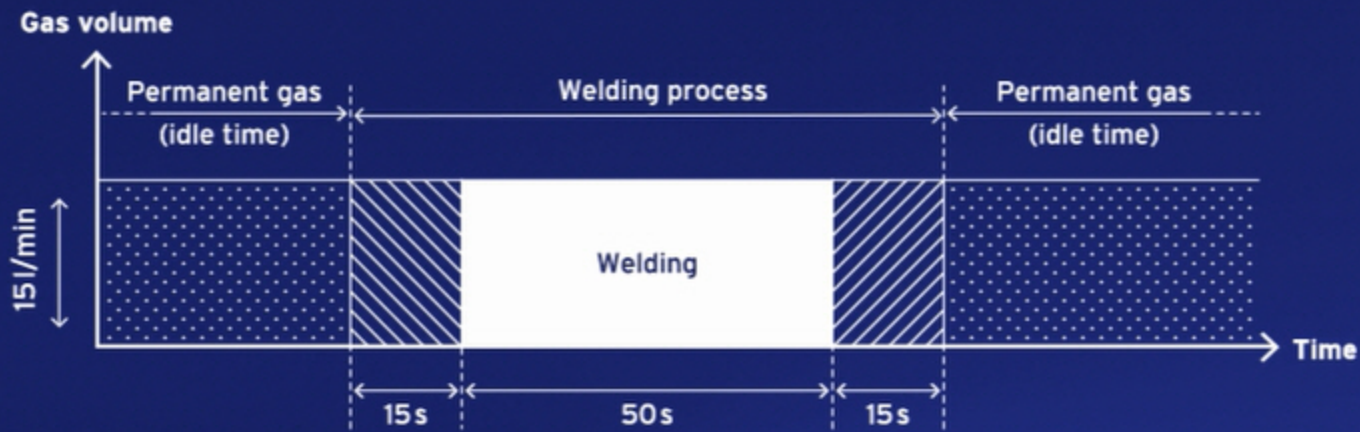
- Reduces total welding time
- Increases arc on time
- Delivers more welds per shift
- Lowers weld head temperatures



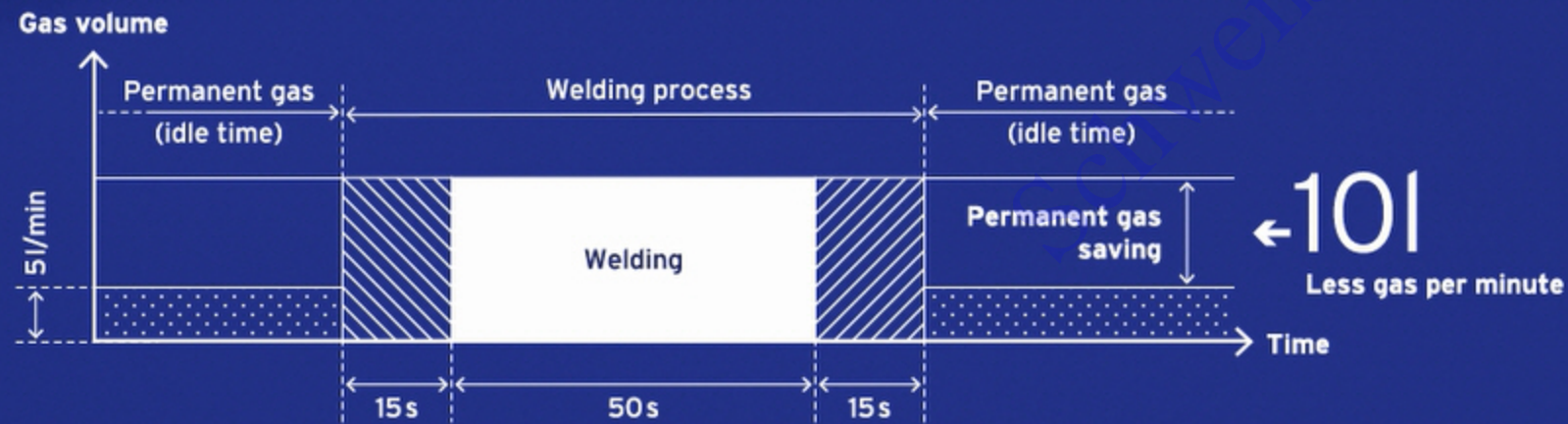
COST SAVING DUE TO DIGITAL CONTROLLED PERMANENT-GAS FLOW



TRADITIONAL PERMANENT GAS

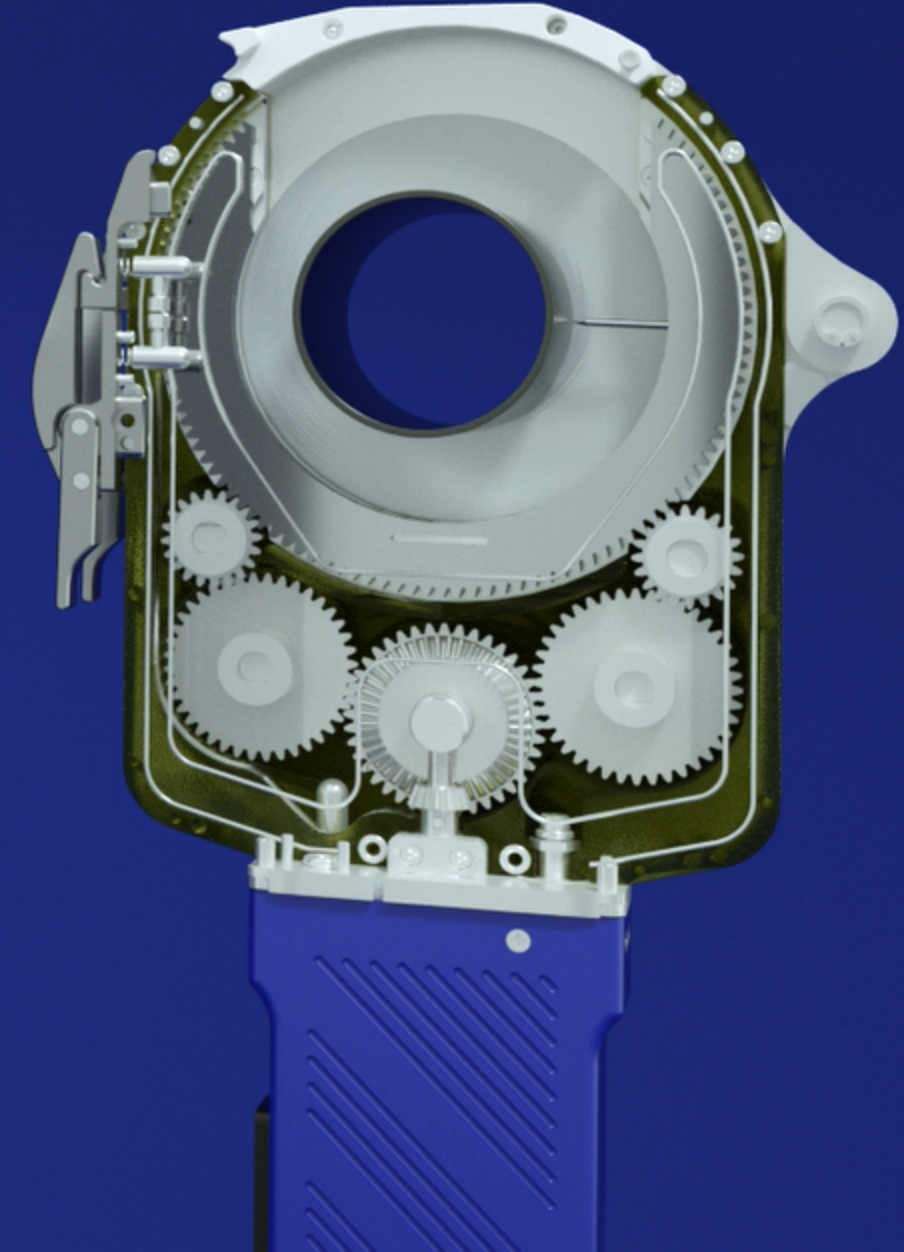
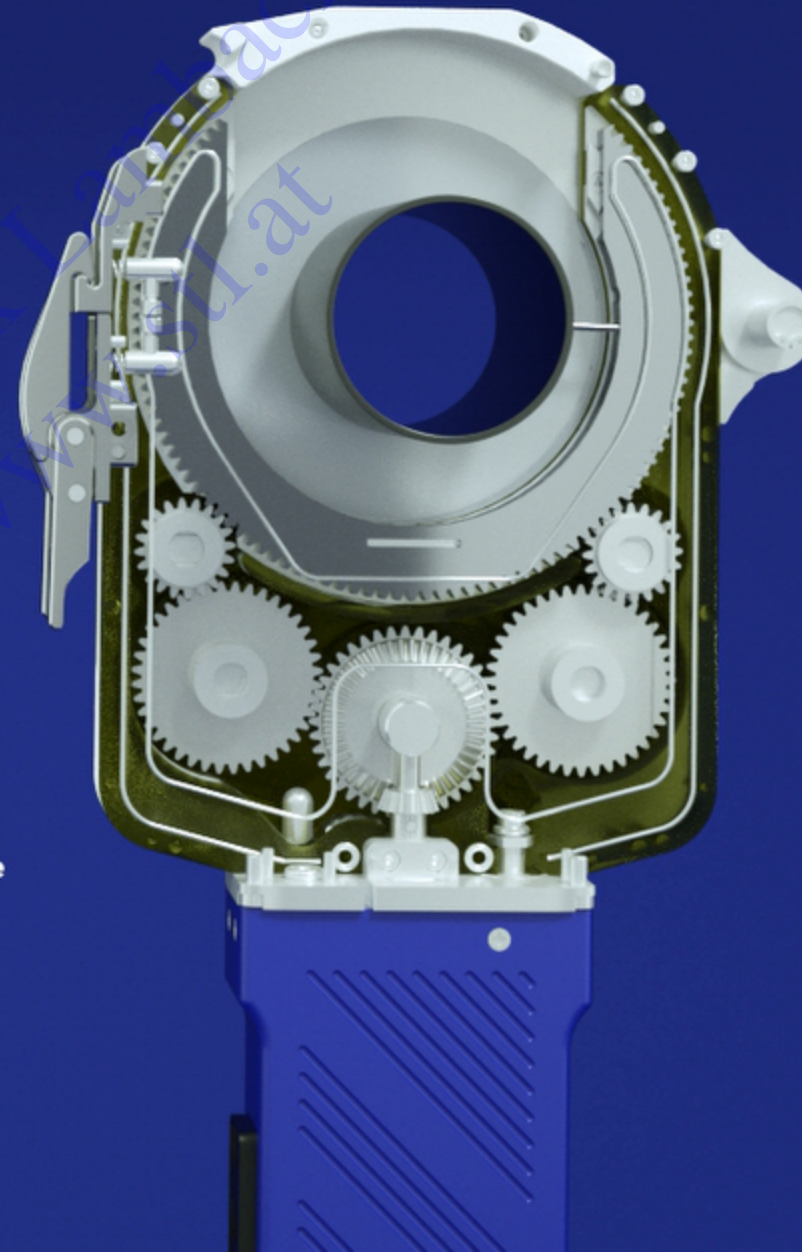


DIGITAL CONTROLLED PERMANENT GAS



DIGITAL CONTROLLED PERMANENT-GAS

TRADITIONAL CYCLE





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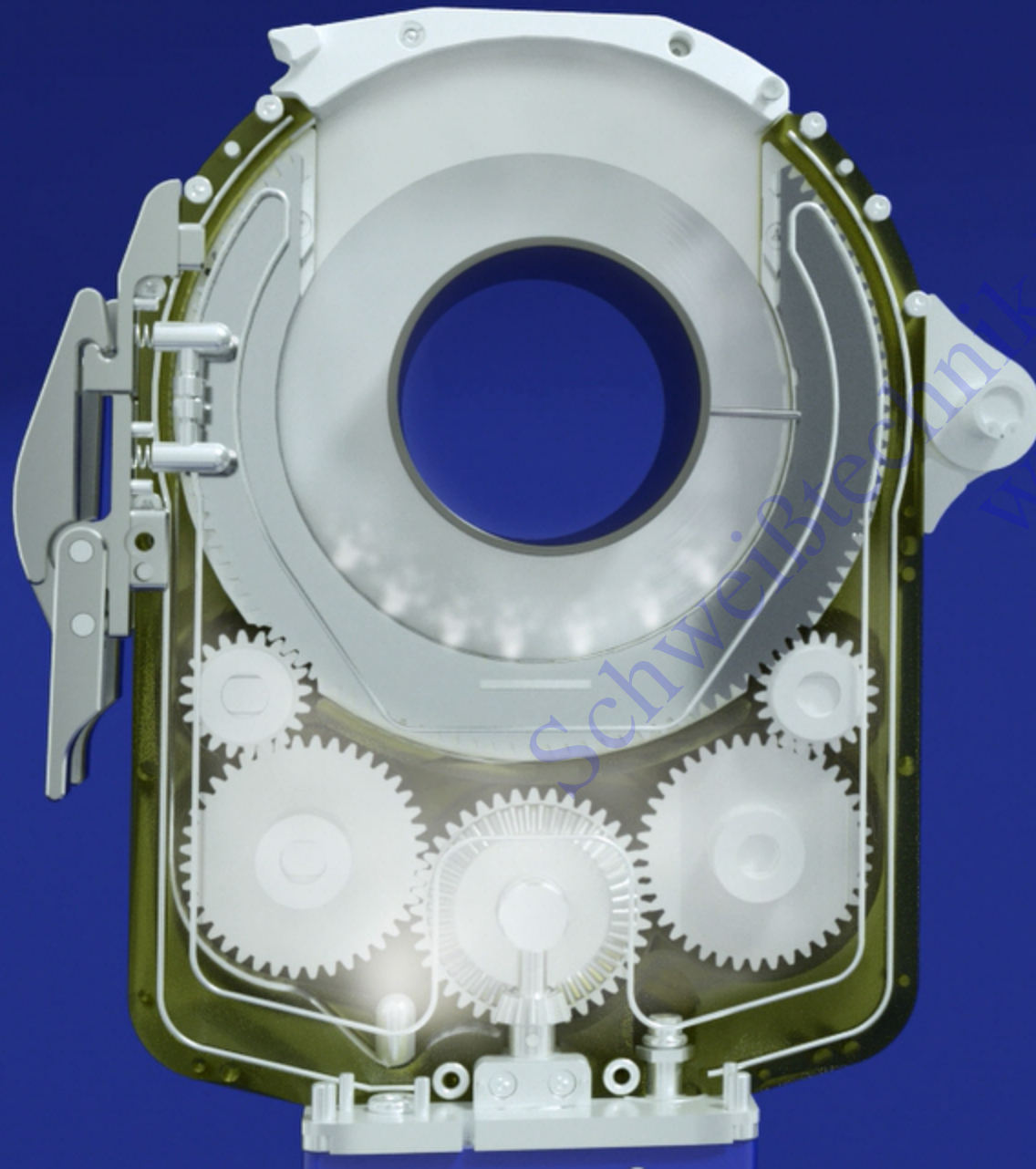
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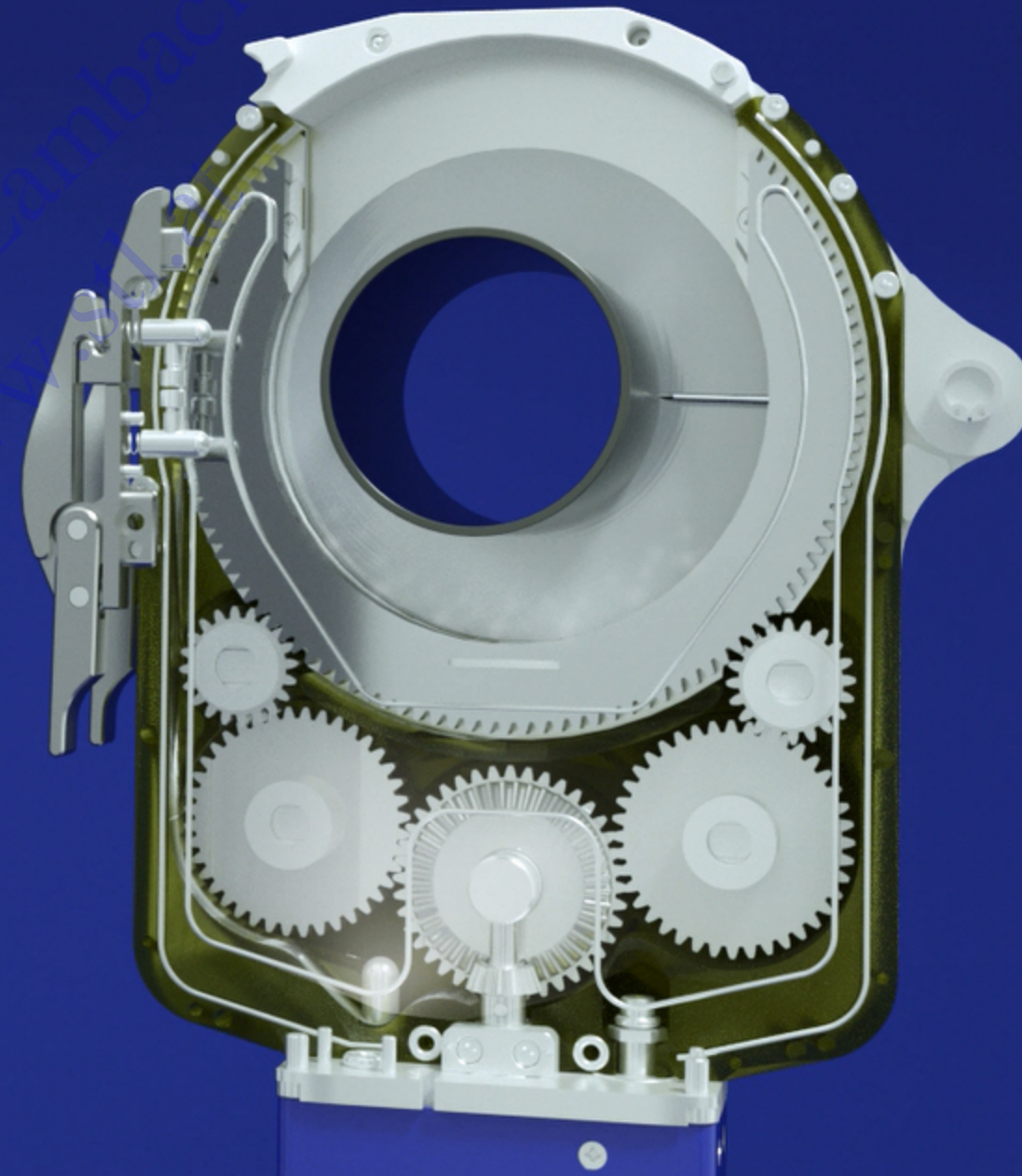
COST SAVING DUE TO DIGITAL CONTROLLED PERMANENT-GAS FLOW



**DIGITAL CONTROLLED
PERMANENT-GAS**



TRADITIONAL CYCLE

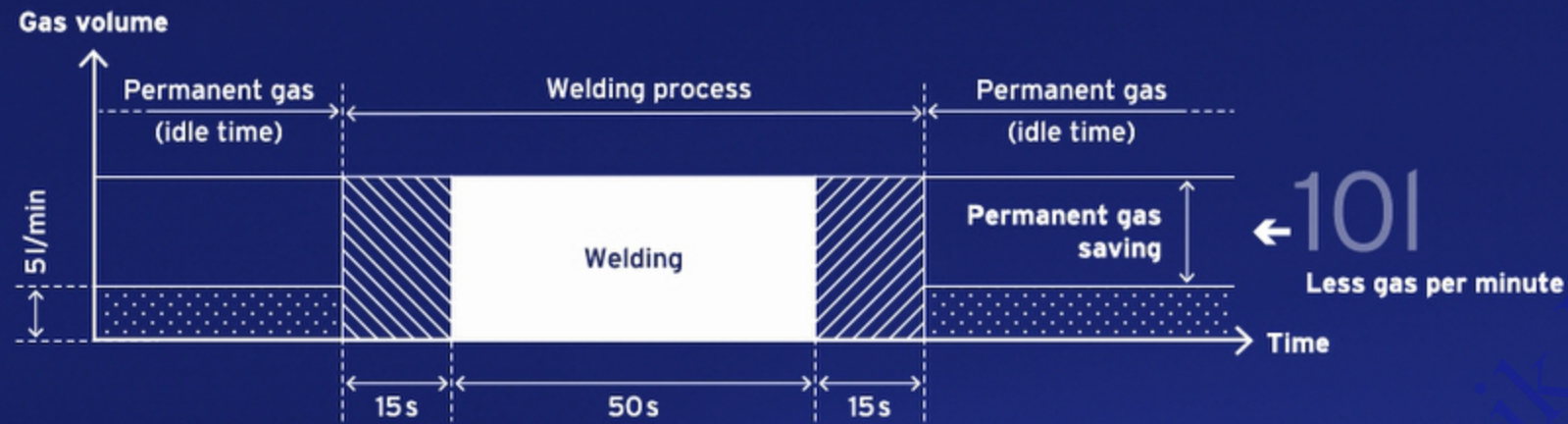




COST SAVING DUE TO DIGITAL CONTROLLED PERMANENT-GAS FLOW

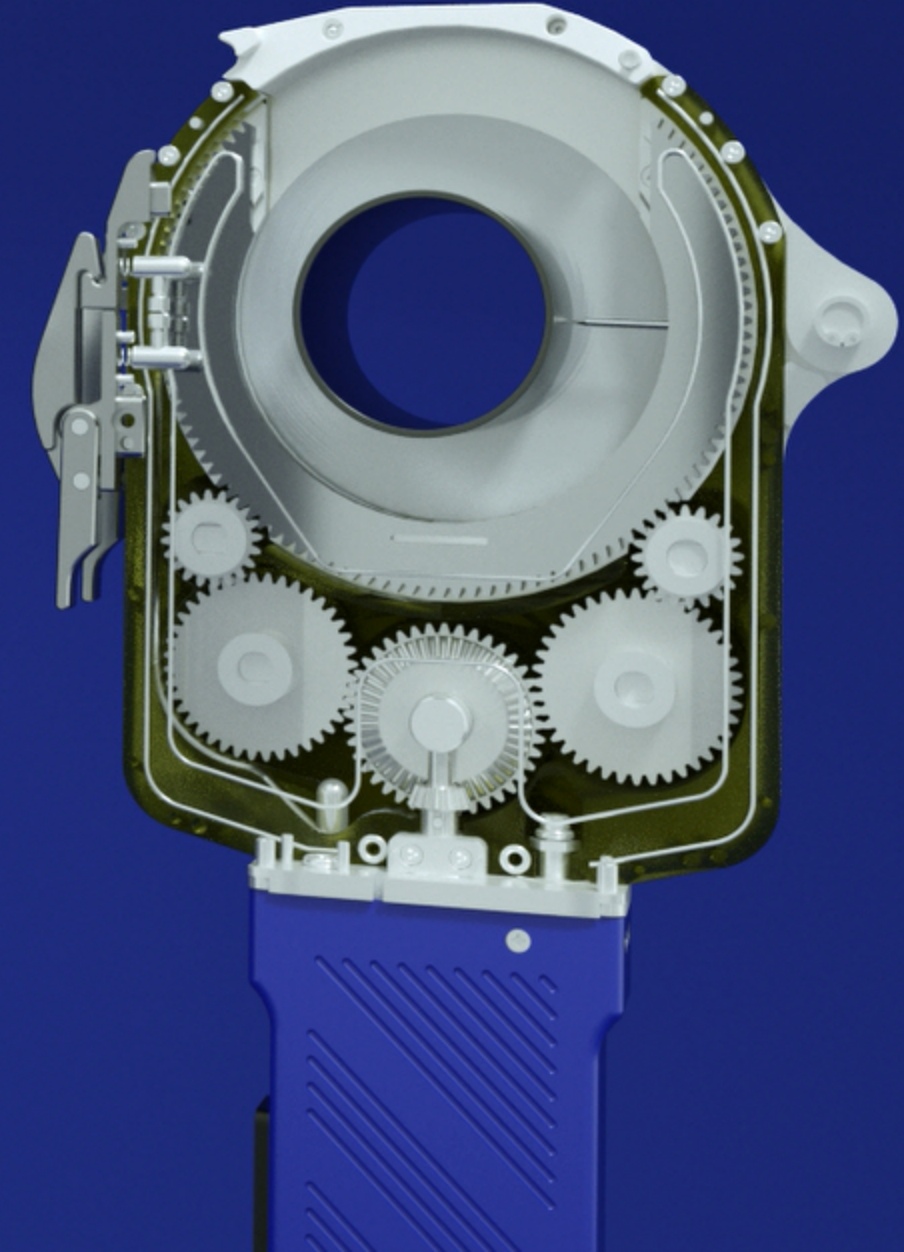
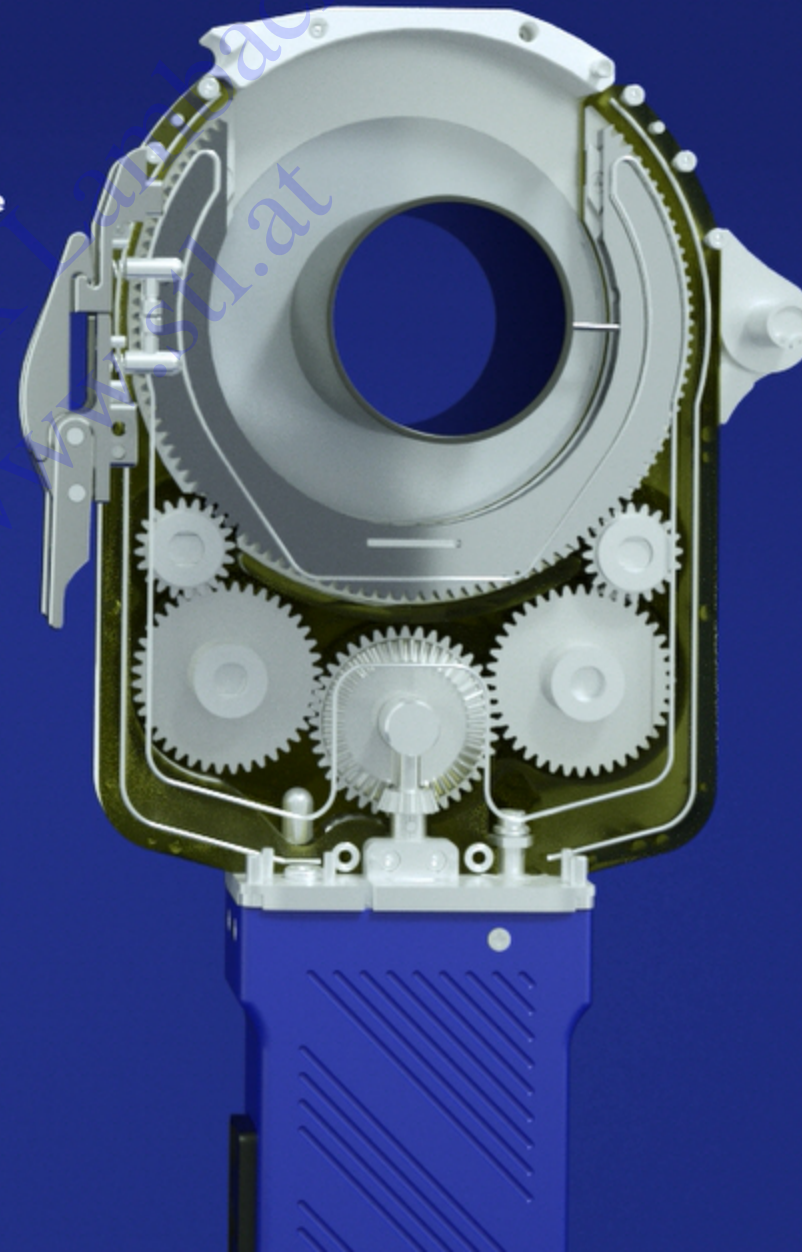


DIGITAL CONTROLLED PERMANENT GAS



DIGITAL CONTROLLED PERMANENT-GAS

TRADITIONAL CYCLE



QUALITY AND COSTS

- Saves 2/3 of gas costs during idle
- Improves weld quality
- Less colorations
- Saves time



RELIABILITY "NEVER LOST" DATA



Better quality, reliability and flexibility by
IoT (Internet of things) / **Industrie 4.0** technology



- Future-oriented connectivity
- Avoid incomplete and lost welding parameters through 100% data recording and storage on a local network
- LAN / WLAN based, unlimited storage capacity on any hard disk





PRODUCTIVITY MONITORING



Sustainable quality management

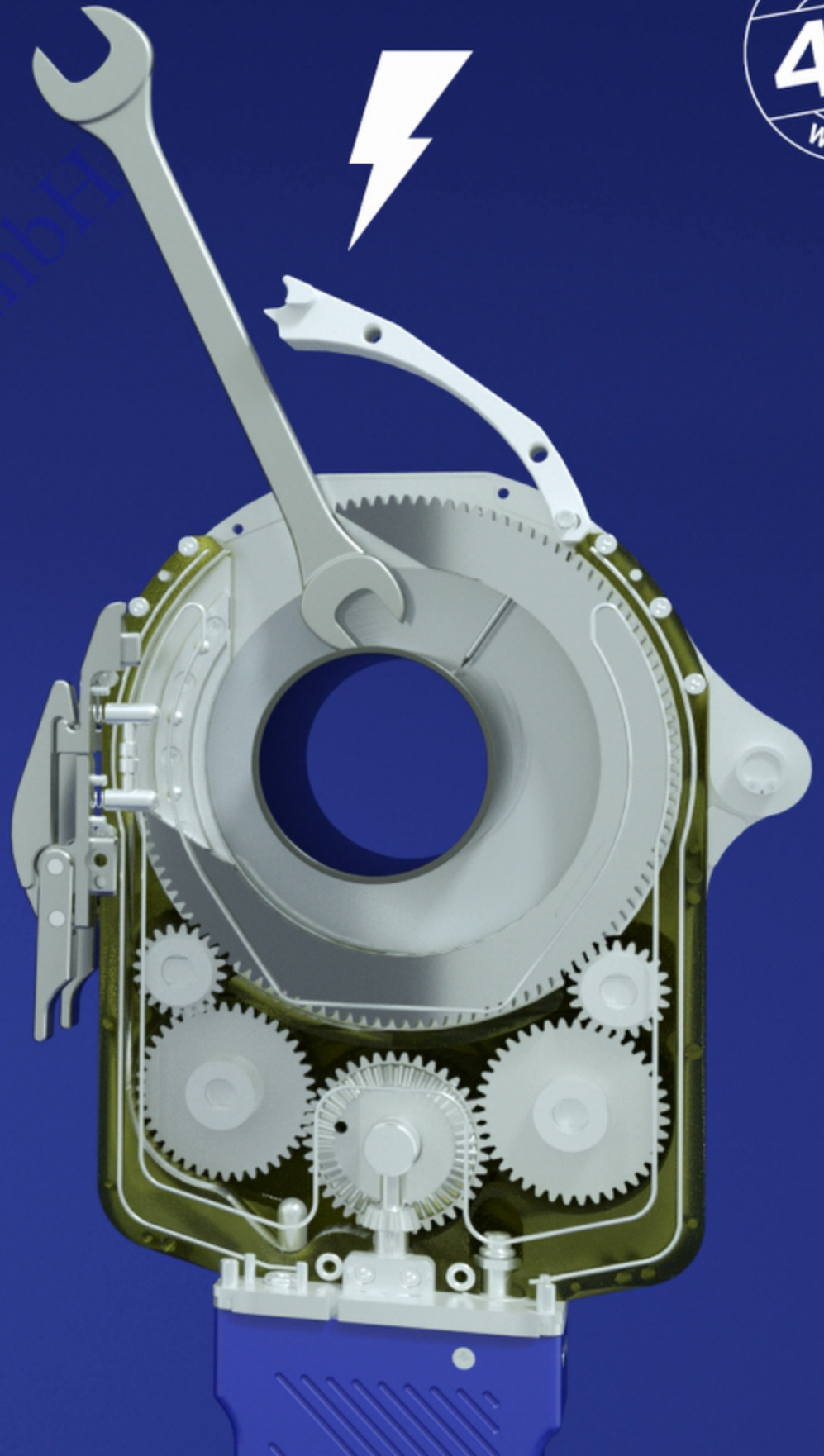


- Quality monitoring in the power supply or from any other location
- Dynamic "on-the-fly" data access
- Permanent data recording - available anywhere at anytime
- Improved efficiency in production processes result in a more cost effective operation





INCREASED SAFETY ROTOR TORQUE CONTROL



- Prevents damage to the machine
- Reduced downtimes of the machine
- Extended product lifetime
- Minimized risk of operator injuries



INTUITIVE AND EFFICIENT OPERATION



- Easy to use interface
- Autoprogramming
- Multiple languages
- Metric and imperial units



MAIN FEATURES

- TIME SAVING
- COST SAVING
- RELIABILITY
- PRODUCTIVITY MONITORING
- ENHANCED SAFETY
- INTUITIVE AND EFFICIENT OPERATION



OTHER FEATURES

- Built-in water cooling system
- Compact, rugged chassis
- Integrated handles
- Protected connections
- IP23 housing
- 180 Ampere weld current
- Secure and reliable operating system
- Integrated printer
- 110-230V AC wide-range input