ORBITAL WELDING POWER SUPPLY
ORBIMAT 180 SW
TIME SAVING DUE TO DIGITAL CONTROLLED FLOW-FORCE FUNCTION

TRADITIONAL CYCLE

Digital Controlled Flow Force Cycle

Traditional Cycle

Less time per weld cycle

27%
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

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

DIGITAL CONTROLLED FLOW FORCE CYCLE

DIGITAL CONTROLLED FLOW FORCE CYCLE

TRADITIONAL CYCLE

Less time per weld cycle

27%
COST SAVING DUE TO DIGITAL CONTROLLED PERMANENT-GAS FLOW

TRADITIONAL PERMANENT GAS

- Gas volume
- Welding process
- Permanent gas (idle time)
- 15 s
- 50 s
- 15 s
- Time

DIGITAL CONTROLLED PERMANENT GAS

- Gas volume
- Welding process
- Permanent gas (idle time)
- 15 s
- 50 s
- 15 s
- Permanent gas saving
- Time

101 Less gas per minute
COST SAVING DUE TO DIGITAL CONTROLLED PERMANENT-GAS FLOW

DIGITAL CONTROLLED PERMANENT-GAS

TRADITIONAL CYCLE
COST SAVING DUE TO DIGITAL CONTROLLED PERMANENT-GAS FLOW

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
- 110-230 V AC wide-range input