

# Auto-Access<sup>®</sup>

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**Digital Semi-Automatic and  
Robotic Welding Systems** 

## Quick Specs



### Applications

Construction Equipment  
Automotive Components  
Recreational Vehicles  
Farm Machinery  
Office Furniture  
Mining Machinery

### Process

MIG/ Pulsed MIG  
Multi MIG ,Accu-Pulse MIG,  
Accu-Speed, Accu-Curve  
Fluxcored wire, Gouging  
RMD (Option)  
Regulated Metal Deposition

**S IP 23C**

### Input Power:

208-575 VAC, 3 Phase

### Rated Output:

**300:** 5 – 400 A  
300 A 60% DC 40° C  
**450:** 5 – 600 A  
450 A 60% DC 40° C

### Weight:

**300:** 52,6 kg  
**450:** 73,9 kg

## The Power of Blue.<sup>®</sup>



**Auto-Line™** allows for any input voltage hookup (190-630 V) with no manual linking. Assures rock-solid, consistent output on fluctuating primary lines.

„Access“ the ability to accommodate welding data file exchange through downloadable upgrades and new hybrid welding processes using e-mail, or the Web and a Palm™ handheld (PDA).

**Flexible, Expandable and Upgrade-able** Multi-MIG capable welding systems are precise, digitally controlled and software-driven.

**Auto-Access four-drive-roll. wire drive feeder.**

### SureStart™

Provides consistent arc starts by electronically assuring a ball is not left on the wire when welding is stopped. This provides a predictable condition for the next arc start and combines this with precisely tuned arc starting routines.

**Access digital control technology combined with inverter welding power source** is designed to reduce complexity of a semi-automatic or robotic pulsed MIG system, simplify installation and provide superior welding performance.



Power source is warranted for 3 years, parts and labour.

### Accu-Puls™

- Shorter arc lengths possible
- Better puddle control
- Less audible noise
- No arc wandering in tight corners
- Narrow arc plasma column
- Allows weld to fill in at toes increasing travel speed and deposition

### Accu-Curve

- “Softer” feel than Accu-Pulse
- Maintains tight arc lengths
- Maintains better puddle control

### Accu-Speed

- Up to 20% greater travel speed than Accu-Pulse
- Lower average voltage/ampere than Accu-Pulse
- Tight, driving arc
- Remains stable at higher travel speeds

### Access Software RMD (optional)

- Weld suited to thin materials
- Can replace TIG process in some applications
- Gap filling
- Spatter reduction
- Provides less heat into work piece
- Use larger diameter wire on thin materials.

### Auto-CAL (Automatic Calibration)

Allows simple, quick and accurate wire feed speed and voltage commands from most robots using analog signals.

**MADE IN USA**  
APPLETON, WI 



### ITW Welding Products

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## Specifications



| Model           | Rated Output             | Voltage Range | Amperage Range | Max. Open-Circuit Voltage | Dimensions                          | Weight  |
|-----------------|--------------------------|---------------|----------------|---------------------------|-------------------------------------|---------|
| Auto-Axcess 300 | 300 A at 60% Duty Cycle  | 10 - 44 V     | 5 – 400 A      | 80 VDC                    | H: 584 mm<br>W: 432 mm<br>D: 572 mm | 52,6 kg |
| Auto-Axcess 450 | 450 A at 100% Duty Cycle | 10 - 44 V     | 5 – 600 A      | 80 VDC                    | H: 787 mm<br>W: 432 mm<br>D: 572 mm | 73,9 kg |

## Ordering Information

| Power Source            | Stock No.          | Description   |
|-------------------------|--------------------|---|
| <b>Auto-Axcess 300</b>  | <b>907 349</b>     | Power source with Robot-Interface                                     |
| <b>Auto-Axcess 450</b>  | <b>907 274</b>     | Power source with Robot-Interface                                     |
|                         | <b>907 274 011</b> | Power source with Robot-Interface and RMD                             |
| <b>AA-40GB</b>          | <b>300 518</b>     | Left-Hand Drive   |
| <b>AA-40GB</b>          | <b>300 582</b>     | Right-Hand Drive  |
| <b>Accessories</b>      |                    |   |
| Motor-Control Cable     | <b>242 395 020</b> | Length 6,1m, flexible   |
|                         | <b>242 395 030</b> | Length 9,0 m, flexible  |
| Receptacle/Adapter Kits | <b>194 793</b>     | ABB   |
|                         | <b>194 791</b>     | Fanuc   |
|                         | <b>194 790</b>     | Motoman   |
| Motor Bracket           | <b>300 013</b>     | For Fanuc/Motoman   |
| Hub + Spindle Assy      | <b>072 094</b>     |   |
| Support, Spindle        | <b>092 989</b>     |   |
| Palm PDA software       | <b>195 249</b>     | File management ( required Palm handheld, not included)               |
|                         | <b>195 250</b>     | Wave Writer (with wave shaping, required Palm handheld, not included) |
| Coolmate V3             | <b>043 009 012</b> | Cooler 115 VAC  |
| BlueLiquid              | <b>050 024 004</b> | Coolant, can 10 l   |
| RG 75                   | <b>018 035 022</b> | Cart, holds one cylinder, cooler, machine and feeder                  |
| Weld Cable Adapter      | <b>232 728</b>     | Threaded Stud to Dinse 50/70 mm <sup>2</sup>                          |