

# Invision™ MPa Plus Systems

See literature DC/23.6

MIG and synergic pulsed MIG system with optimized weld programs for both steel and aluminum.



Invision 352 MPa

Invision 450 MPa



### Recommended Aluminum Solution

Dedicated XR Plus guns work with MPa Plus feeders.  
See page 21 for information and stock numbers.

**Auto-Line™** Invision 352 allows for any input voltage hookup (208–575 V, single- or three-phase) with no manual linking. 450 model is 230/460 V manual link or 575 V, three-phase only.

**Profile Pulse™** provides TIG appearance with MIG simplicity and productivity. Achieve “stacked dimes” without gun manipulation. Profile Pulse frequency can be changed to increase or decrease spacing between the ripple pattern.



**Synergic pulsed MIG when using a 70 Series MPa Plus feeder.** As wire speed increases/decreases, pulse parameters also increase/decrease to match the right amount of power needed, reducing the need to make additional adjustments.

**Built-in MIG and pulsed MIG programs** automatically set the optimal parameters for a wide variety of wires making it easy to set up and use.

**Heavy industrial** **DC 3 1** Invision 450 is 3-phase only.

### Processes

- MIG (GMAW) ▪ Flux-cored (FCAW)
- Pulsed MIG (GMAW-P)
- Air carbon arc gouging (CAC-A)

### Most popular accessories

- 70 Series MPa Plus feeders (pg 20)
- XR-Aluma-Pro™ Plus and XR™-Pistol Plus push-pull guns (pg 21)
- 70 Series Swingarc™ with MPa Plus control box (pg 22)
- Bernard® MIG Guns (pg 25–26)
- MIGRunner™ Cart (pg 119)
- Running Gear Cylinder Rack (pg 119)
- Industrial MIG 4/0 Kits (pg 121)
- Extension Cables (pg 126)

Visit [MillerWelds.com](http://MillerWelds.com) or your distributor for other Miller® options and accessories.

Model	Power Source Only Stock Number	Package Stock Number*	70 Series MPa Plus Feeder with .035/.045 in. Drive Rolls and Bernard BTB 400 A Gun	XR-Aluma-Pro™ Plus Push-Pull MIG Gun	Industrial MIG 4/0 Kit	Cart
Invision 352 MPa	(907431) 208–575 V	<b>Alum</b> (951844) w/model 907431	D-74 dual-wire feeder with two push-only MIG guns	25 ft. air-cooled	Dinse connectors	Running gear cylinder rack
	(907431001) 208–575 V w/aux power		(951411) w/model 907431	S-74 single-wire feeder with one push-only MIG gun	–	Dinse connectors
Invision 450 MPa	(907485) 230/460 V w/aux power	<b>Steel</b> (951499) w/model 907485	S-74 single-wire feeder with one push-only MIG gun	–	Lug connectors	MIGRunner cart
	(907486) 575 V w/aux power		(951457) w/model 907485	D-74 dual-wire feeder with two push-only MIG guns	–	Lug connectors

\*Additional packages are available — visit [MillerWelds.com](http://MillerWelds.com) or your distributor.

Model	Input Power	Amp/Volt Ranges	Rated Output	Amps Input at Rated Load Output, 60 Hz					KVA	KW	Max. Open-Circuit Voltage	Dimensions	Net Weight
				208 V	230 V	400 V	460 V	575 V					
Invision 352 MPa	Three-phase	5–425 A, 10–38 V	350 A at 34 VDC, 60% duty cycle	40.4	36.1	20.6	17.8	14.1	14.2	13.6	75 VDC	H: 17 in. (432 mm) W: 12.5 in. (318 mm) D: 24 in. (610 mm)	80 lb. (36.3 kg)
	Single-phase	5–425 A, 10–38 V	300 A at 32 VDC, 60% duty cycle	60.8	54.6	29.7	24.5	19.9	11.7	11.2			
Invision 450 MPa	Three-phase	15–600 A, 10–38 V	450 A at 36.5 VDC, 100% duty cycle	–	49.4	–	27.2	23.6	21.6 (23.5 on 575 V)	18.3	90 VDC	H: 17.25 in. (438 mm) W: 14.5 in. (368 mm) D: 27.125 in. (689 mm)	122 lb. (55.3 kg)

Miller recommends



Hobart® aluminum filler metals — wire and cut lengths — have been designed to provide the best performance for the best welds. These products are backed by the deep industry knowledge of Hobart welding specialists who can help customers find the right aluminum filler metal solution. Every time. No matter how challenging the application.

Visit [HobartBrothers.com](http://HobartBrothers.com) or your local distributor to learn more.

Questions? Hobart is here to help.