A blue and black XTEND-ARC inline assist feeder is shown in the foreground, angled towards the viewer. It has a long, white, flexible cable extending from the top. The background is a collage of industrial scenes: a large ship on the left, a yellow crane in the center, and a building under construction on the right. The overall color scheme is dominated by blue and white.

# XTEND-ARC

## INLINE ASSIST FEEDER

*For CO<sub>2</sub> /MAG/MIG Welding*

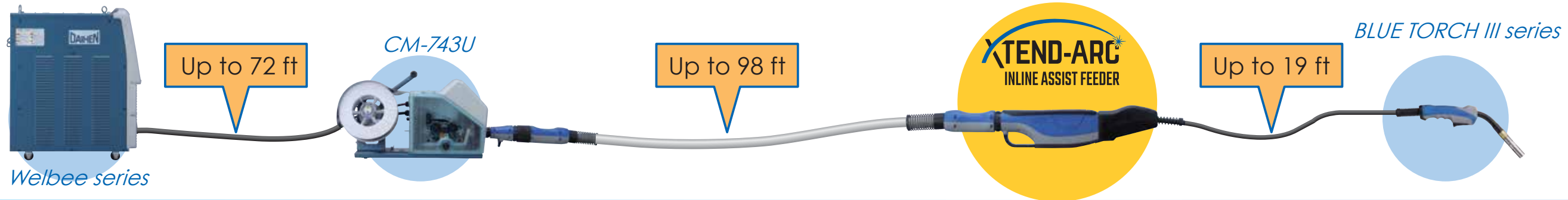
**Feeding assistance up to 190 feet,  
making it an ideal choice  
for large-area fabrication work such as  
ship, truck/trailer and building components**

- *Compact and lightweight construction to reduce the welder's burden*
- *Configuration that is balanced and easy to handle*
- *Built-in remote control and display for easy adjustments near the workpiece*



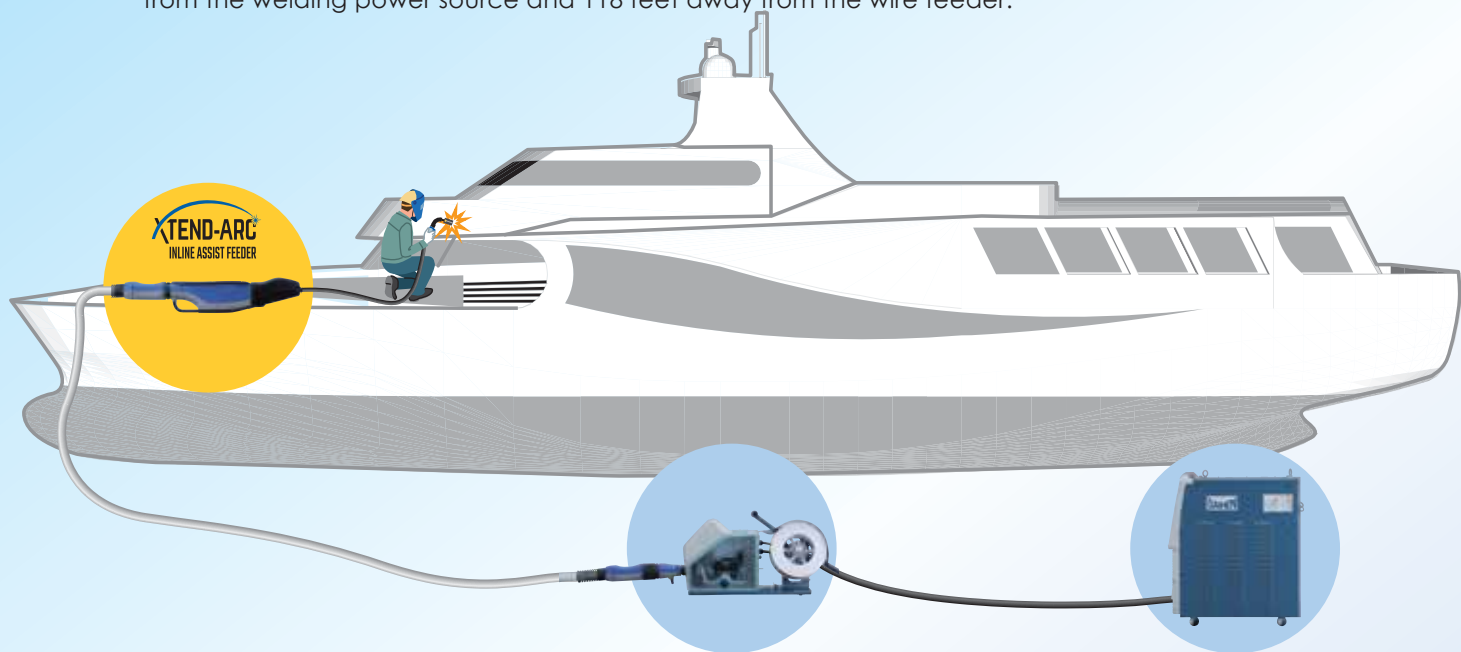
DAIHEN Inc.

# Welding can be performed up to **190 feet** away from the welding power source, greatly expanding the effective work area.



✓ **Reduces constant repositioning of the wire feeder when welding in a large work areas.**

The Xtend ARC INLINE ASSIST FEEDER makes it possible to perform welding as far as 190 feet away from the welding power source and 118 feet away from the wire feeder.



✓ **Easy to handle, durable construction**



The skid sled design makes it easy to pivot and slide the unit over small obstacles, increasing ease of mobility.



Small and lightweight construction makes it easy to shift and adjust position. Dual-cover structure delivers robust handling and operation.

✓ **A built-in remote control panel for superior workability**

Remote control panel with integrated display, improves the efficiency of work. Welding conditions can be set and adjusted without going back to the feeder and/or welding power source. This panel also supports weld wire inching to aid change-over of welding wire.

## Many weld materials are supported

Mild steel    Stainless steel    Aluminum

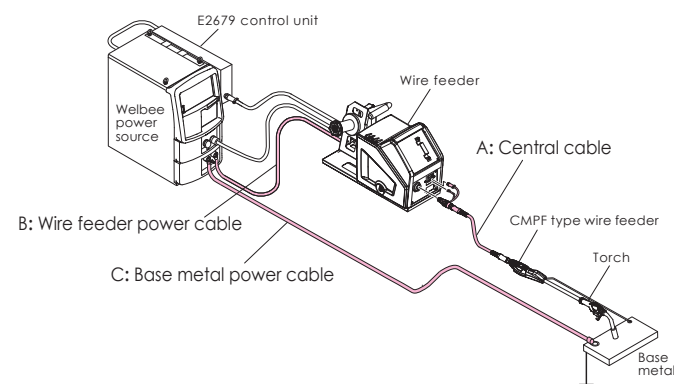
Mild steel, stainless steel, and aluminum alloys are all supported, making this unit useful in a variety of situations. Feeding and welding performance is extremely stable, even at an extended distance, resulting in high-quality weld results.

### The longest list of cables (A+B+C)

Material	Welding method	DC	DC pulse *2
Mild steel		177ft *1	144ft
Stainless steel		243 ft	144ft
Hard aluminum		243ft	210ft
Soft aluminum		210ft	210ft

\*1 Maximum distance is 144ft for 0.8 mm diameter welding wire.

\*2 Maximum distance is 79ft for AC-pulse welding.



### Basic functions

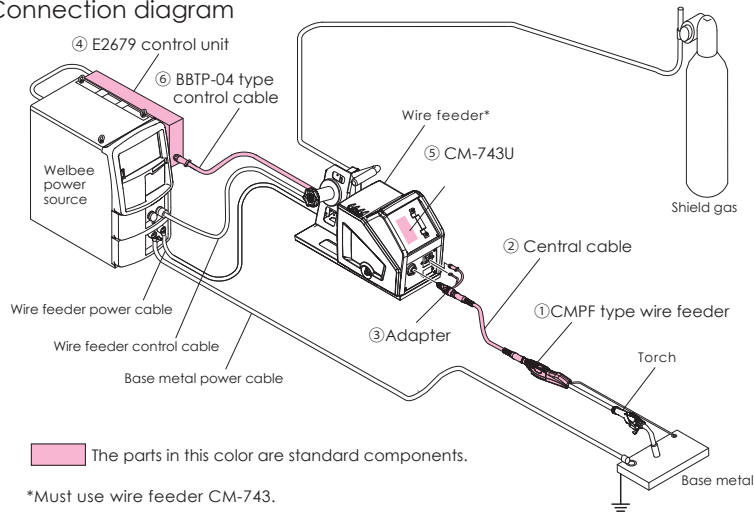
- Welding current: 150A
- Wire feed speed: 50 in/min
- Inching speed: 50 in/min
- Welding voltage: 240V
- Voltage adjustment (SYNERGIC mode): ± 5
- JOB No.: 150A 24.0V
- Error display: Err E960
- Error display: Display in different colors Normal (yellow) or Error (red)



The internal wire feeding mechanism is illuminated by an LED service light improving visibility when checking wire feed setup and during wire change-over.



## Connection diagram



### Standard components

- ① CMPF type wire feeder
- ② Central cable
- ③ Adapter
- ④ E2679 control unit
- ⑤ CM-743U wire feeder kit
- ⑥ BBTP-04 type control cable



## Specifications

XTEND-ARC Inline Assist Feeder				
	Mild steel		Aluminum	
●CMPF type wire feeder	CMPFW-3001		CMPFAW-3001	
Wire diameter *1	Mild steel: (0.8), 0.9, 1.0, 1.2, 1.4, 1.6 mm Mild steel cored: 1.2, 1.4, 1.6 mm Stainless steel: (0.8), 0.9, 1.0, 1.2, 1.6 mm Stainless steel cored: 0.9, 1.2, 1.6 mm		Hard aluminum: 1.0, 1.2, 1.6 mm Soft aluminum: 1.2, 1.6 mm	
Cooling system	Air-cool			
Welding power source <sup>-2</sup>	WB-M350, M350L, M500, P400, P500L, W400			
Wire feeder	CM-743U			
Welding torch	Blue torch III series (Tweco connection)			
External dimensions (W×D×H)	3.54×14.3×5.4 inch (w/o Torch cover)			
Mass	8.37 lb			
●Central cable	BCMPF-301060 (302060)	BCMPF-301080 (302080)	BCMPFA-301060 (302060)	BCMPFA-301080 (302080)
Cable length <sup>-3</sup>	33ft (66ft)	33ft (66ft)	33ft (66ft)	33ft (66ft)
Power cable	60mm <sup>2</sup>	80mm <sup>2</sup>	60mm <sup>2</sup>	80mm <sup>2</sup>
Maximum current	DC : 340A Pulse : 270A	DC : 420A Pulse : 380A	DC : 340A Pulse : 270A	DC : 420A Pulse : 380A
Rated duty cycle	60%			
Cooling system	Air-cool			
Mass	36.4(66.6)lb	43.2(80.2)lb	34.4(62.6)lb	41.2(76.3)lb
●Adaptor	K-8081			
Cooling system	Air-cool			
Mass	3.1 lb			
●E-2679 type control unit	E-2679			
●CM-743U wire feeder kit	K8113A00			
●BBTP-04 type control cable	BBTP-0414 *4			

## Standard accessories

	CMPFW-3001	CMPFAW-3001
●CMPF type wire feeder		
Torch cover	1	1
●Adaptor	K-8081	
Liner (Al 1.0-1.6)	1	

## Options

### 0.8mm diameter wire parts

Product name	Parts No.
Liner (mild steel)	K8119E00(33 ft) K8119Q00 (66 ft)
Collet nut	K8119D01

### BBTP-04 type control cable

	3.3ft	13ft	30ft
BBTP-0401		BBTP-0404	BBTP-0409
BBTP-0414		BBTP-0419	BBTP-0424

### Voltage detection cable for base metal

	16ft	33ft	66ft
K5791G00		K5416N00	K3791E00

- \*1: Optional liners and collet nuts are required for the diameters shown in parentheses( ). WavePulse welding of mild steel of 1.6 mm diameter requires a torch with a 3 meter or shorter lead cable.
- \*2: Low spatter mode is not supported.  
A software update to your existing WELBEE welding power source may be required. Consult your local DAIHEN sales office.
- \*3: Intermediate cable of 30 m in length can be constructed via three(3) 10m cables or one(1) 20m and one (1) 10m cable combination.
- \*4: Select a desired cable from these lengths: 3.3, 13, 30, 46, 62, or 79 feet.



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