

# Panasonic



## Mechanical Pulse Assembly Tools



# AccuPulse 4.0 Transducerized



**ACCUPULSE 4.0™**  
**TRANSDUCERIZED**

## Product Details

Take fastening accuracy and quality manufacturing to a higher level with Panasonic's next generation transducerized mechanical pulse tool.

AccuPulse 4.0 offers the advanced precision, comprehensive data collection and best-in-class reactionless ergonomics. Four onboard microcomputers and transducer intelligently manage torque sensing, motor control, power, and wireless communication for an Industry 4.0 compatible assembly solution like no other.

## Key Features

- One-hand cordless operation with no reaction for increased worker safety and freedom of movement with a torque control range 20-120 Nm
- Highly Durable Non-Contact Transducer for reliable torque measurement
- Patented torque traceability and torque curve detection algorithm for high accuracy
- Unique drive mechanism for optimized torque calculations
- Advanced programmable features for greater productivity and plant automation
- Wireless 2-way communication
- Data collection for monitoring torque, angle, time, OK, NOK, pulses, and fastening curves
- Eco-friendly, low maintenance, & energy efficient



EYFR04A  
Multi-tool Controller

**2-WAY  
COMMUNICATION**



# AccuPulse 4.0 Transducerized

Specifications		
<b>Model Series</b>	EYFMH1	EYFMH2
<b>Anvil</b>	C = 1/2" Sq. C-Ring w/ through Hole P = 1/2" Sq. Pin Detent	
<b>Torque range</b>	20-60Nm	50-120Nm
<b>Application (Min-Max Torque)</b>	M8 Bolt (20-50 Nm) M10 Bolt (20-60 Nm)	M10 Bolt (50-80 Nm) M12 Bolt (50-120 Nm) M14 Bolt (80-120 Nm)
<b>Weight (with battery)</b>	<b>EYFB41 (2.0 Amp)</b>	4.08 lbs
	<b>EYFB43 (4.0 Amp)</b>	4.63 lbs
<b>RPM</b>	1,500-2,300rpm	
<b>Data</b>	Torque, Angle, Fastening Curve Graph, Pulses, Time, OK/ NOK	
<b>Storage Capacity</b>	47,000 cycles (no graph or 4 sec rundown graph) / 23,500 cycles (8 sec rundown graph)	
<b>Additional Features</b>	Cross Thread Reduction, Rundown Error Detection, Disable Reverse, Long Socket Mode, Maintenance Interval Alarm	
<b>Work capacity / Fastening speed</b>	<p><b>M8: 23Nm</b> (EYFB43B) approx. 940 pcs/pack approx. 0.5 sec/1pcs (EYFB41B) approx. 490 pcs/pack approx. 0.5 sec/1pcs</p>	<p><b>M10: 43Nm</b> (EYFB43B) approx. 670 pcs/pack approx. 0.7 sec/1pcs (EYFB41B) approx. 350 pcs/pack approx. 0.7 sec/1pcs</p>
		<p><b>M12: 71Nm</b> (EYFB43B) approx. 450 pcs/pack approx. 0.9 sec/1pcs (EYFB41B) approx. 230 pcs/pack approx. 0.9 pcs/pack</p>

# AccuPulse - Cordless Mechanical Pulse Tools



2-WAY  
COMMUNICATION



EYFR03

## Product Details

AccuPulse tools are ergonomically designed with worker safety top of mind. Compact and balanced with virtually no torque reaction to create a healthier, more productive work environment. Offering a full line of tools featuring a torque controlled range of 3-120Nm and a choice of 1/4", 3/8" and 1/2" drives. A modern cordless design allows total freedom of movement for greater production efficiency.

## Key Features

- 3-120Nm torque control range
- Available with wireless 2-way communication for advanced error proofing
- Can function like a virtual socket tray with wireless version
- High resolution encoder ensures precise fastening
- Innovative proprietary drive mechanism provides high torque while minimizing vibration on higher torque models
- 7 flush point detection levels for increased accuracy on varying joint types
- Advanced programmable features for higher worker productivity and plant automation

Model Number	Radio Module	Drive	Min Torque	Max Torque	Weight	RPM
EYFLA7A		1/4" Hex quick change	3 Nm	22 Nm	2.53 lbs.	0-2300
EYFLA7AR	✓					
EYFLA8A						
EYFLA8AR	✓					
EYFLA8C		3/8" Sq. Drive C-Ring w/ through hole	6 Nm	30 Nm		
EYFLA8CR	✓					
EYFLA8P		3/8" Sq. Drive Pin Detent	20 Nm	60 Nm		
EYFLA8PR	✓					
EYFLA9C		1/2" Sq. Drive C-Ring w/ through hole	25 Nm	120 Nm		
EYFLA9CR	✓					
EYFLA9P		1/2" Sq. Drive Pin Detent				
EYFLA9PR	✓					
EYFMA2C		1/2" Sq. Drive C-Ring w/ through hole	25 Nm	120 Nm	3.08 lbs.	
EYFMA2CR	✓					
EYFMA2P		1/2" Sq. Drive Pin Detent				
EYFMA2PR	✓					

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# High Torque Cordless Mechanical Pulse Tools



## Product Details

Deliver accurate, repeatable fastening on assembly lines where high-torque, quality control and efficiency are not optional. Featuring torque controlled range of 70Nm-650Nm and a choice of 1/2" and 3/4" drives, our high-torque auto shut-off mechanical pulse tools produce superior ergonomics with virtually no torque reaction. Cordless battery-powered design available in 18V and 21.6V provides power, freedom of movement and emissions-free operation for demanding heavy manufacturing plants. Tool body only.

## Key Features

- Virtually no torque reaction up to 650Nm, ideal for high torque applications
- M16 Bolt up to 400Nm / M24 Bolt up to 650Nm
- Wireless programmable models for advanced error proofing
- Remote control quick-set features deliver increased fastening accuracy & quality control
- Auto shut-off prevents over torques
- Operator visual pass/fail indicator

Model Number	Radio Module	Drive	Min Torque	Max Torque	Weight	RPM
EYFNA1C		1/2" Sq. Drive C-Ring w/ through hole				
EYFNA1CRT	✓					
EYFNA1J		1/2" Sq. Drive w/ through hole	70 Nm	200 Nm	6.6 lbs.	0-2300
EYFNA1JR	✓					
EYFNA1JRT	✓					
EYFNA1P		1/2" Sq. Drive Pin Detent				
EYFNA1PRT	✓					
EYFPA1J		3/4" Sq. Drive C-Ring w/ through hole	160 Nm	650 Nm	7.7 lbs.	
EYFPA1JRT	✓					

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# Accessories

## Assembly Tool Controllers



**EYFR02-1**  
Single-Tool Controller

**EYFR02-2**  
Two-Tool Controller



**EYFR03**  
Multi-Tool Controller



**EYFR04**  
Multi-Station Controller



### Product Details

Ensure high-level error proofing while improving productivity and quality control on your assembly line. Panasonic Multi-Tool and Single-Tool assembly controllers provide expansion capability so you can program up to 16 power tools, simultaneously or sequentially with EYFR03 and EYFR04 series. Gain the versatility your production process demands. Deliver advanced error-proofing, quality control and increased productivity for any assembly line while eliminate assembly errors for good.

### Key Features

- 1, 2 & 16 Tool versions available
- Error proofing with multiple Panasonic wireless programmable tools
- Program up to 16 Panasonic tools simultaneously or sequentially with 2-way communication
- Multi communication protocols available for data collection: Open Protocol, Ethernet IP, Toolsnet, ProfiBus, ProfiNet, Digital I/O
- Operator visual and audio feedback
- Secure 802.15.4 wireless communication with a range of up to 33 ft (10m)
- Also compatible with HS-Technik fastening tools (optional feature)
- All controllers have networking capability
- Enable/Disable tools
- Torque & Angle Data Collection
- 2-way communication allows for parameter selection from controller

Model Number	Description	Protocols
EYFR02-1	Single Tool Controller (Option to upgrade to 2 tools with additional fee), Discrete I/O	Open Protocol, ToolsNet, Ethernet/IP
EYFR02-2	Two Tool Controller, Discrete I/O	
EYFR03A	16 Tool Controller w/Color LCD, Keypad, Discrete I/O, Ext I/O Compatible	Open Protocol, ToolsNet, Profinet, PFCS, Toyota, Serial Open Protocol, Ethernet/IP
EYFR03B	16 Tool Controller w/Color LCD, Keypad, Ext I/O Compatible	
EYFR04A	16 Tool Controller - Multi Station (16 tools split up into 4 stations in any configuration)	

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For more information, visit our website at

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Design and specifications subject to change without notice.

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