

**Panasonic**



# Assembly Tools

Cordless Assembly Solutions



# Precision Clutch Tools

## Cordless Precision Assembly Screwdrivers



### Product Details

A compact, lightweight body makes our 7.2V auto shut-off clutch tools ideal for assembly applications where low-torque fastening, repeatable accuracy, and ergonomics are valued. Featuring a 1/4" hex quick-change chuck, the two-speed reversible driver delivers torque shut-off range of 2.7-35.4 in-lbs. Cordless battery-power offers freedom of movement and emissions-free operation for demanding lines and technicians.

### Key Features

- Clutch torque range of 2.7-35.4 in-lbs with accuracy +/-5%
- 21-stage clutch with auto shut-off
- 2-speed variable/reversible with 1/4" hex quick change chuck
- Low battery disable & over current protection
- Compact and ultra lightweight for ultimate operator friendliness

Model Number	Low Speed Max Torque	High Speed Max Torque	RPM	Dimensions	Weight
EYFEA1N	53.1 in. lbs	17.7 in. lbs	300-900	5-3/4" x 7-7/8" x 1-5/8"	1.38 lbs
EYFEA1N2S	Kit version includes 2 Batteries + 1 Charger				

# Precision Clutch Tools

## Cordless Basic Clutch Tools



### Product Details

Our precision 14.4V clutch tools provide repeatable fastening accuracy and ergonomics for assembly lines that want greater quality control and operator efficiency. Featuring a 1/4" hex quick-change chuck and all-steel fast action clutch, these variable speed drivers deliver a torque range of 2-10Nm with high accuracy  $\pm 10\%$  @  $Cmk \geq 1.67$ . Cordless battery-power and durable brushless motor provides freedom of movement and long-life emissions-free operation. Tool body only.

### Key Features

- 2-10Nm torque control range
- High accuracy  $\pm 10\%$  at  $Cmk \geq 1.67$  – ISO 5393  $\geq 3Nm$
- Fast acting all-steel clutch, brushless motor & hybrid switch for long-life durability
- Intelligent auto shut-off ensures greater accuracy
- Lightweight with superior ergonomics for improved worker comfort & safety
- Basic model is budget friendly while maintaining quality and durability

Model Number	Min Torque	Max Torque	RPM	Dimensions	Weight
EYFGB1N	2 Nm	5.5 Nm	0-800	7-13/16" x 9-1/8" x 2-15/16"	2.76 lbs
EYFGB2N	5 Nm	8 Nm	0-750	7-13/16" x 9-1/8" x 2-15/16"	2.76 lbs
EYFGB3N	5 Nm	10 Nm	0-450	7-13/16" x 9-1/8" x 2-15/16"	2.86 lbs

# Precision Clutch Tools

## Cordless Programmable Clutch Tools



### Product Details

Our programmable 14.4V clutch tools offer repeatable fastening accuracy for assembly lines where quality monitoring and error proofing are essential. Featuring 1/4" hex quick-change chucks and all-steel fast action clutches, these drivers deliver torque range of 2Nm-10Nm with high accuracy  $\pm 10\%$  @ Cmk better than 1.67  $\geq$  3Nm. Connect a Panasonic controller for wireless error proofing. Easily program cross thread/rehit detection, rundown speeds, and more.

### Key Features

- 2-10Nm torque range
- Programmable quick-set features improve precision, quality control and efficiency
- Intelligent auto shut-off and photo interrupter sensor increases tool accuracy & clutch life
- Superior ergonomics for improved worker safety
- Brushless motor, all-steel clutch and hybrid switch nearly doubles tool life
- Wireless models allow for advanced error proofing

Model Number	Min Torque	Max Torque	RPM	Dimensions	Weight
EYFGA1N	2 Nm	5.5 Nm	0-800	7-13/16" x 9-1/8" x 2-15/16"	2.76 lbs
EYFGA1NR	2 Nm	5.5 Nm	0-800	7-13/16" x 9-1/8" x 2-15/16"	2.76 lbs
EYFGA2N	5 Nm	8 Nm	0-750	7-13/16" x 9-1/8" x 2-15/16"	2.76 lbs
EYFGA2NR	5 Nm	8 Nm	0-750	7-13/16" x 9-1/8" x 2-15/16"	2.76 lbs
EYFGA3N	5 Nm	10 Nm	0-450	7-13/16" x 9-1/8" x 2-15/16"	2.86 lbs
EYFGA3NR	5 Nm	10 Nm	0-450	7-13/16" x 9-1/8" x 2-15/16"	2.86 lbs

# Panasonic



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

# 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			6 Nm	30 Nm				
EYFLA8AR	✓							
EYFLA8C		3/8" Sq. Drive C-Ring w/ through hole					6 Nm	30 Nm
EYFLA8CR	✓							
EYFLA8P		3/8" Sq. Drive Pin Detent						
EYFLA8PR	✓							
EYFLA9C		1/2" Sq. Drive C-Ring w/ through hole	20 Nm	60 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	✓							

**Panasonic**

# 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	70 Nm	200 Nm	6.6 lbs.	0-2300
EYFNA1CRT	✓					
EYFNA1J		1/2" Sq. Drive w/ through hole				
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)	

# Professional Tools

## Cordless Professional Impact Tools



Intelligent Power Tool Evolution  
**TOUGH IP™**



**Dual Voltage Technology**



### Product Details

Panasonic cordless impact tools are built with power, ergonomics and extreme conditions in mind. Ensure a safe, productive work environment with extended runtime between charges with virtually no torque reaction. The brushless motor and hybrid switch nearly doubles tool life, substantially reducing maintenance costs. Dual voltage technology enables use of our 14.4V or 18V lithium-ion batteries boasting an IP56 rating protecting against dust and water.

### Key Features

- Ideal in automotive, construction, heavy equipment, and recreational vehicle industries
- Hybrid variable speed reversible switch & brushless motor for dependable long life operation
- Versatile dual voltage operation accepts 14.4V or 18V Panasonic Li-ion batteries
- Tough IP™ technology | certified IP56 rating for harsh condition protection

Model Number	Max Torque	RPM	Dimensions	Weight
EY75A4X	1370 in lbs.	2500	5-5/8" x 9-17/32" x 2-13/16"	3.53 lbs.
EY75A5X	1814 in lbs.	2300	6-1/8" x 9-17/32" x 2-13/32"	3.75 lbs
EY75A7X	1416 in lbs.	2500	4-21/32" x 9-17/32" x 2-19/32"	3.75 lbs
EY75A8X	2478 in lbs.	2500	5-5/8" x 9-13/16" x 2-7/8"	3.96 lbs
EY7552X	346 ft lbs.	1550	8-7/16" x 9-15/16" x 3-1/16"	5.7 lbs

# Panasonic

# Professional Tools

## Cordless Professional Screwdrivers



### Product Details

Meet our family of lightweight, long running, low torque clutch tools available today. Our cordless drill/driver and screwdrivers boast ultra-durable auto shutoff clutches. Deliver versatility to any factory for a variety of assembly applications. Two-speed reversible trigger action and an ultra-ergonomic handle offer high production and ultimate operator comfort.

### Key Features

- Compact, lightweight, multi-position design for easy fastening and enhanced ergonomics
- Two-speed reversible motor and 21-stage clutch with auto shutoff (EY6220 w/ 6 position clutch)
- Available in 2.4V, 3.6V and 7.2V models
- Mega-versatility with 1/4" hex quick change chuck, drill and driver mode, LED light
- EY7411 model has built in batch counter

Model Number	Voltage	Min Torque	Max Torque	RPM	Dimensions	Weight	Kit Includes
EY6220N	2.4V	3.5 in. lbs	26 in. lbs	200-400	9-2/5" x 5" x 1-2/5"	.9 lbs	1 - 2.8Ah Ni-MH Battery Pack
EY6220NQ	2.4V	3.5 in. lbs	26 in. lbs	200-400	9-2/5" x 5" x 1-2/5"	.9 lbs	1 - 2.8Ah Ni-MH Battery Pack 1 - Charger
EY7410LA1C	3.6V	2.7 in. lbs	39 in. lbs	200-600	10-7/8" x 5-9/32" x 1-13/16"	1.1 lbs	1 - 1.5Ah Li-ion Battery Pack
EY7410LA2S	3.6V	2.7 in. lbs	39 in. lbs	200-600	10-7/8" x 5-9/32" x 1-13/16"	1.1 lbs	2 - 1.5Ah Li-ion Battery Pack 1 - Charger
EY7411LA1S	3.6V	13.3 in. lbs	39 in. lbs	200-600	10-7/8" x 5-9/32" x 1-13/16"	1.1 lbs	1 - 1.5Ah Li-ion Battery Pack 1 - Charger
EY7420LA2J	7.2V	2.7 in. lbs	51.3 in. lbs	300-900	5-3/4" x 7-7/8" x 1-5/8"	1.39 lbs	2 - 1.5Ah Li-ion Battery Pack 1 - Charger 1 - Clutch Cover
EY7420X	7.2V	2.7 in. lbs	51.3 in. lbs	300-900	5-3/4" x 7-7/8" x 1-5/8"	1.39 lbs	Bare Tool

# Panasonic

# Accessories

## Batteries & Chargers



EYFB43B



EY9L10B



EY9L20B



EYFB30B



EY0L82B



Power Supply Kit

### Product Details

Panasonic has been a battery and charger pioneer for more than 90 years. The same Panasonic Li-ion technology that powers the most advanced electric cars also powers our cordless assembly tools. Our Ni-MH battery packs power lighter duty Panasonic professional screwdrivers. Our innovative Li-ion GuardION system ensures long life and safety with the tool, battery, and charger working together as a single energy efficient battery management system.

### Key Features

- Sensors prevent overcharging/discharging to avoid cell damage and extend battery life
- Automatic power shut-off prevents overheating, doubling battery life over conventional Li-ion packs
- Fast charging times and long run times deliver greater production in any shop or job site
- Advanced GuardION system for Li-ion batteries provide long life and safety

Chargers	
Model Number	Description
EY0L20B	Charger for Panasonic 7.2V Li-ion Batteries (EY9L20B)
EY0L82B	Charger for Panasonic Li-ion Batteries 10.8V - 28.8V
EY0L11B	Charger for Panasonic Li-ion & Ni-MH Batteries 2.4V - 3.6V

Power Supply Kits	
Model Number	Description
EYC949B	2 - 14.4V 4.0Ah (EY9L49B), 1 - Charger (EY0L82B)
EYC954B	2 - 18v 5.0 Ah (EY9L54B) 1 - Charger (EY0L82B)

Assembly Batteries			
Model Number	Description	Voltage	Amp Hour
EY9L20B	Li-ion Battery pack for EYFEA1N,EY7420	7.2V	1.5Ah
EYFB30B	Li-ion Battery Pack for EYFL	10.8V	3.0Ah
EYFB32B	Li-ion Battery Pack for EYFL	10.8V	2.0Ah
EYFB41B	Li-ion Battery Pack for EYFM,EYFG,EYFMH (NEW)	14.4V	2.0Ah
EYFB43B	Li-ion Battery Pack for EYFM,EYFG,EYFMH (Replaces EYFB42B)	14.4V	4.0Ah
EYFB50B	Li-ion Battery Pack for FYFN	18V	5.0Ah
EYFB51B	Li-ion Battery Pack for EYFN	18V	3.0Ah
EYFB61B	Li-ion Battery Pack for EYFP (Replaces EYFB60B)	21.6V	4.0Ah

Professional Batteries			
Model Number	Description	Voltage	Amp Hour
EY9221B	Ni-MH Battery Pack	2.4V	2.8Ah
EY9L10B	Li-ion "L" Battery Pack	3.6V	1.5Ah
EY9L49B	Li-ion "S" Battery Pack	14.4V	4.0Ah
EY9L54B	Li-ion "S" Battery Pack (Replaces EY9L51B)	18V	5.0Ah

**Panasonic**

# Accessories

## Miscellaneous Accessories



EYFA32B



EYFR03CA



EYFA31B



EYFA41B

### Product Details

Search for genuine Panasonic accessories including an assortment of tool hangers, I/O cables and expansion box, integration box, remote control, clutch adjustment tool, and more.

Model Number	Description
EYFRZ02CA	I/O Cable for EYFR02B Assembly Controller - 25 ft
EYFR03CA	I/O Cable for EYFR03 & EYFR04 Assembly Controllers - Discrete I/O - 25 ft
EYFA31B	Remote Control for all EYFL, EYFM, EYFN, EYFP, EYFGA Series Tools
EYFEXP16	Input/Output Expansion Box - 16 input / 16 output
EYFA32B	Clutch Adjustment Tool for EYFG Precision Clutch
WEYFEA1N3137	Clutch Lock Out Cover EYFEA1N
EYFA40B	Tool Hanger for EYFG Precision Clutch
EYFA40	Tool Hanger for EYFMH AccuPulse 4.0
EYFLM-H	Tool Hanger for EYFL, EYFM AccuPulse HR
EYFA41B	Tool Hanger for EYFN, EYFP High Torque Mechanical Pulse
EYFLM-H	Tool Hanger for EYFL, EYFM AccuPulse HR
EYFMH1XL701W	USB Cable for EYFMH AccuPulse 4.0
EYFPFCS1	Chrysler PFCS integration Box
EYTOOLBAG-1K	Canvas Tool Bag
EY9X007E	Clutch Lock Cover - EY7411 and EY7410 only
EY9HX413E	Keyless Chuck



# Accessories

## Protectors for Tools & Batteries



### Product Details

Power Tool covers prevent assembly line damage to products.

Model Number	Description
EYFA02-H	Protector for EYFB30B Battery - Gray
EYFA03-H	Protector for EYFB32B Battery - Gray
EYFA04-H	Protector for EYFB43B Battery - Gray
EYFA06-H	Protector for EYFB41B Battery - Gray
EYFA10-H	Protector for EYFB50B Battery - Gray
EYFA11-H	Protector for EYFB51B Battery - Gray
EYFA08-H	Protector for EYFB61B Battery - Gray
EYFA05-A	Protector for EYFG - Blue
EYFA05-H	Protector for EYFG - Gray
EYFA05-Y	Protector for EYFG - Yellow
EYFA14-A	Protector for EYFMH - Blue
EYFA14-Y	Protector for EYFMH - Yellow
EYFA14-G	Protector for EYFMH - Gray
EYFA14-D	Protector for EYFMH - Orange
EYFA14-G	Protector for EYFMH - Green
EYFA09-A	Protector for EYFN 18V - Blue
EYFA09-G	Protector for EYFN 18V - Green
EYFA09-H	Protector for EYFN 18V - Gray
EYFA09-Y	Protector for EYFN 18V - Yellow
EYFA07-A	Protector for EYFP 21.6V - Blue
EYFA07-G	Protector for EYFP 21.6V - Green
EYFA07-H	Protector for EYFP 21.6V - Gray
EYFA07-Y	Protector for EYFP 21.6V - Yellow
EYFA13-A	Protector for EYFL, EYFM - Blue
EYFA13-Y	Protector for EYFL, EYFM - Yellow
EYFA13-H	Protector for EYFL, EYFM - Grey
EYFA13-D	Protector for EYFL, EYFM - Orange
EYFA13-G	Protector for EYFL, EYFM - Green

## Notes



**Panasonic Eco Systems North America (PESNA)**

**Assembly Tools Division**

2 Riverfront Plaza  
Newark, NJ 07102

For more information, visit our website at  
**[na.panasonic.com/us/assemblytools](http://na.panasonic.com/us/assemblytools)**  
or call **1-888-388-4296**

Design and specifications subject to change without notice.

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