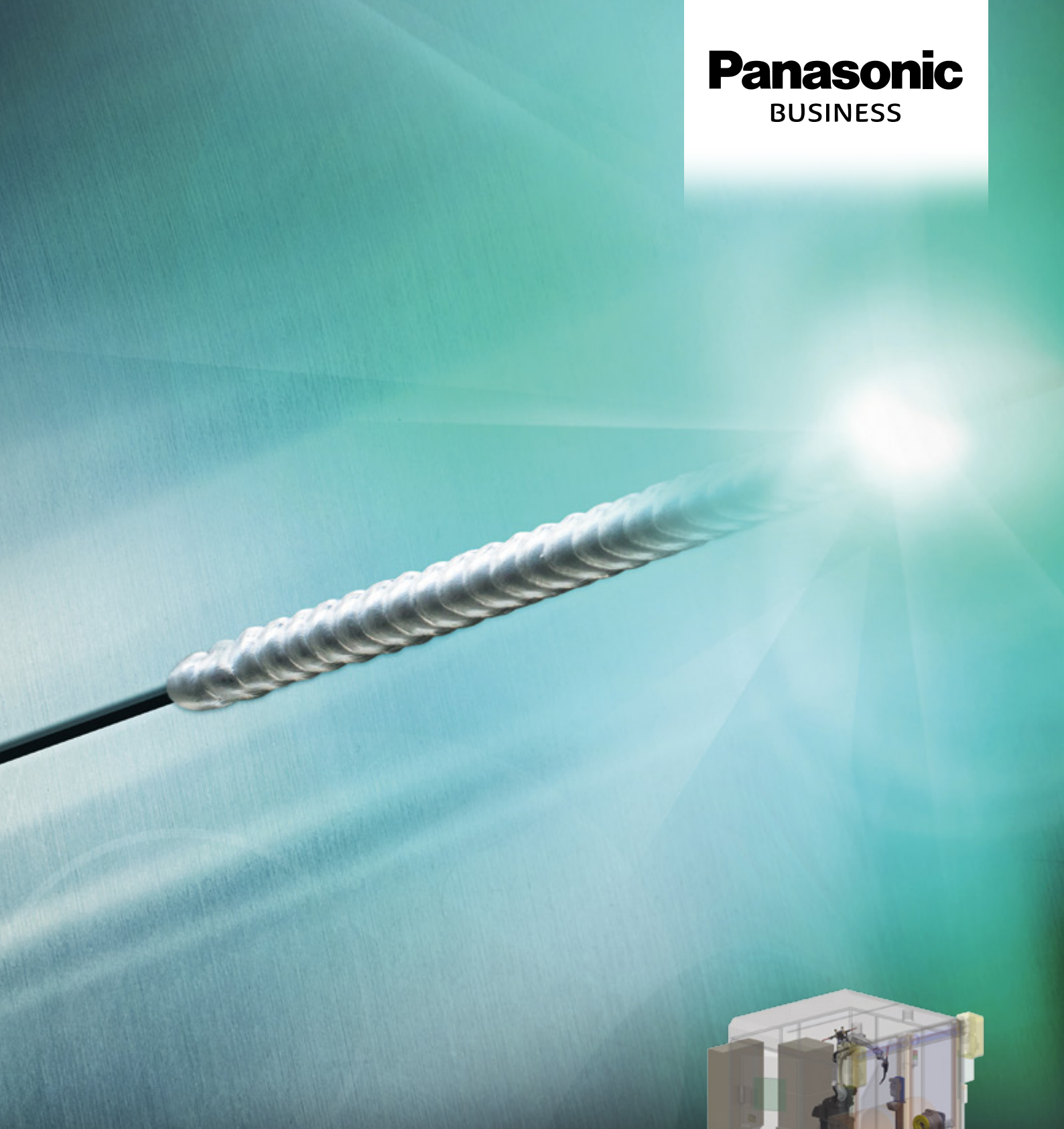
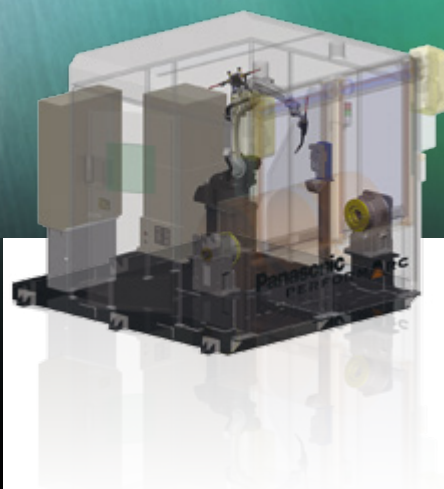


Panasonic
BUSINESS



SIMPLY WELDING.

PERFORMARC ROBOTIC WELDING SYSTEM



PERFORMARC™
ROBOTIC WELDING SYSTEM

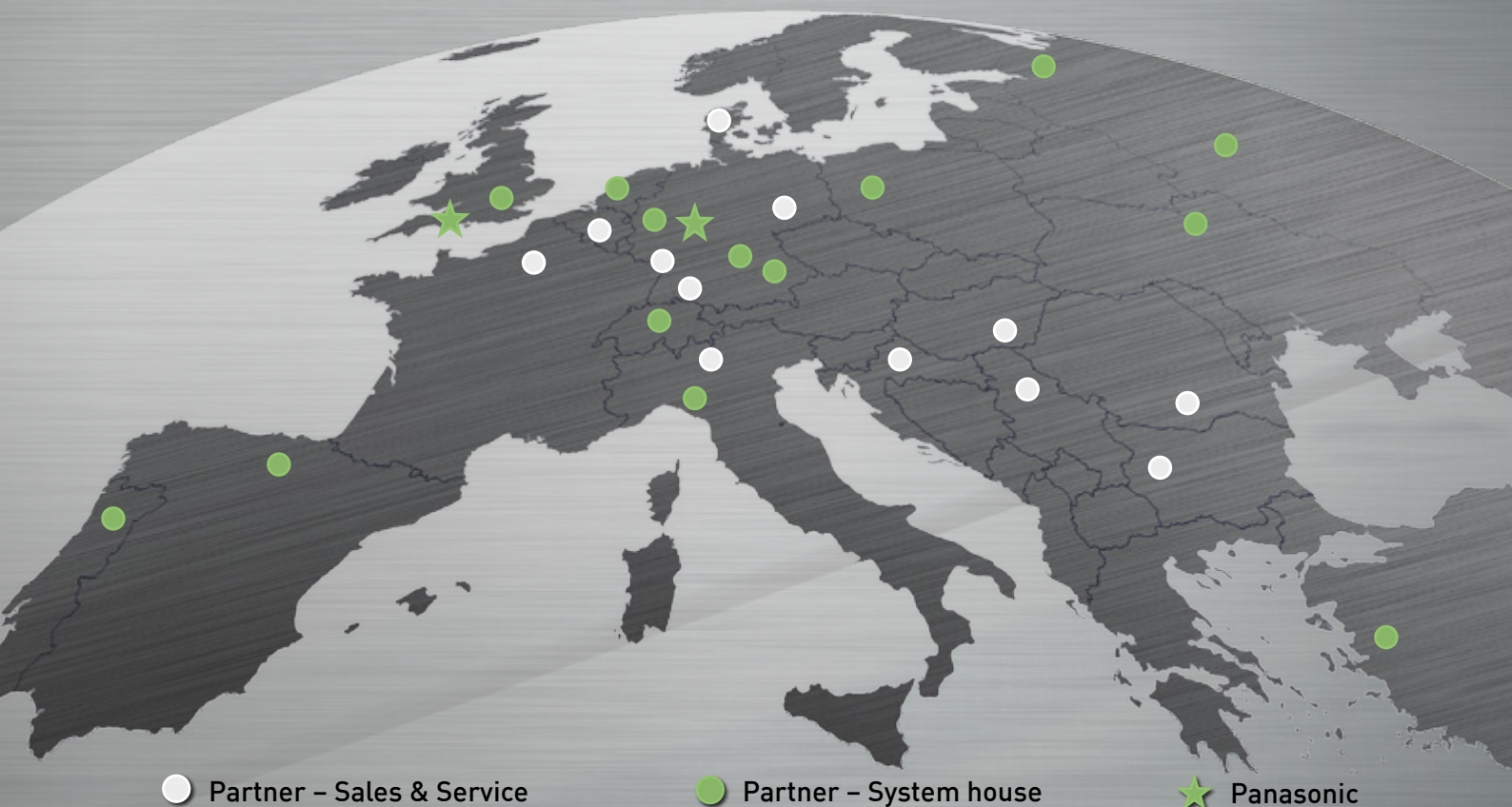
www.panasonicrobotics.eu

COMPANY PROFILE

Since 1957 Panasonic develops welding technology products and is nowadays world-wide present in the field of MIG/MAG/TIG and robot welding. The Panasonic Robot & Welding Europe is the European Distributor for products and services all about welding. The headquarter is located in Neuss near Dusseldorf and offers a big training room, a welding test area and forms herewith the center of excellence for robot and welding systems. With a huge distributor Network Panasonic is almost represented in every European country. It is our aim to support the entire industry with 'All From One Manufacturer' solutions in the field of welding.

PRODUCTS & SERVICES

Panasonic offers a turnkey welding system for arc welding – with welding and handling robots, welding power sources, welding torches and much more. Therefore we cover a wide range of industrial applications. Our provided robot welding systems are equipped with robots of the TM-WG3 range (TAWERS systems with an integrated welding power source) or the TM-G3 range (robots with an external digital Panasonic power source). Whether general or automotive industry Panasonic always offers the best solutions of products to be manufactured in cooperation with customers.



ROBOTIC WELDING SYSTEM

Panasonic PerformArc Robotic Welding Systems provide exactly what welding customers expect! Our welding cells are of modular concept developed by using standard reliable Panasonic components. We provide turnkey, cost efficient and universally usable welding solutions.

Your benefits are easy settings due to only one teach pendant for robot and powersource and reducing running costs due to only one Panasonic technician who is needed for any training and maintenance. Checkout our standard systems and examples for dedicated ones.

WELDING CELLS FROM ONE MANUFACTURER

1. Conception and selection of the ideal welding process
2. Manufacturing of the turnkey welding system
3. Commissioning at your company
4. Process support on your request
5. Support after the production start through our After-Sales-Team

GENERAL STRUCTURE OF PERFORMARC

1. PerformArc – Manual Table (PA-MT)
2. PerformArc – Electrical Table (PA-ET)
3. PerformArc – Table Table (PA-TT)
4. PerformArc – H-Frame (PA-H-Frame)
5. PerformArc – Ferris Wheel (PA-FW)

OVERVIEW



PA-MT-SERIES



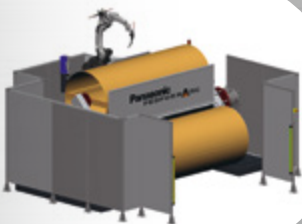
PA-ET-SERIES



PA-TT-SERIES



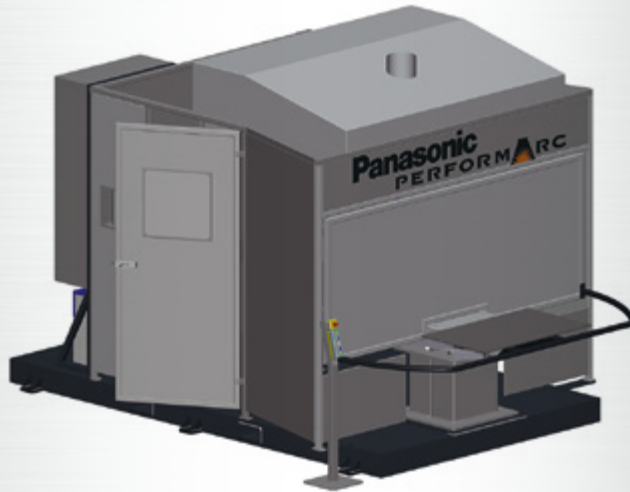
PA-H-FRAME



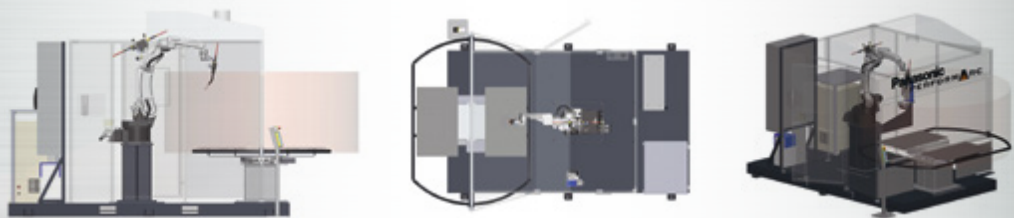
PA-FW-SERIES

PA-MT-SERIES

PA-MT | PA-MT-XL | PA-MT-XXL



PA-MT Perspective



PA-MT Transparent Perspective | PA-MT Top View | PA-MT Side View

Specifications			
Model	PA-MT	PA-MT-XL	PA-MT-XXL
Work Table (mm)	1,000 x 600	1,000 x 600	1,000 x 600
Fixture Area (mm)	1,000 x 600	1,500 x 600	1,900 x 850
Payload (kg)	250	250	250
Measurements (L x W x H in cm)	410 x 230 x 250	450 x 255 x 250	480 x 310 x 250
Weight (kg)	3,200	3,500	3,600
Recommended Robot Type	TM-1400	TM-1400/TM-1600	TM-1800

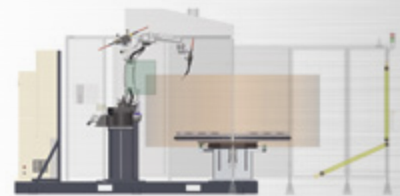
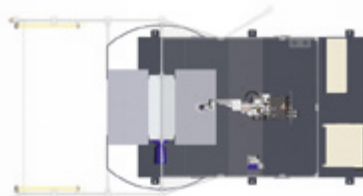
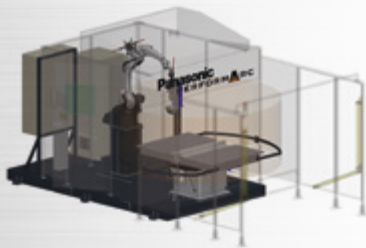
PA-ET-SERIES

ALSO AVAILABLE
WITH TWO ROBOTS!

PA-ET | PA-ET-XL | PA-ET-XXL | PA-ET-XXL-2R



PA-ET Perspective



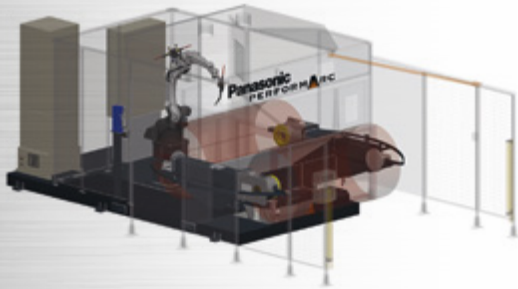
PA-ET Transparent Perspective | PA-ET Top View | PA-ET Side View

Specifications			
Model	PA-ET	PA-ET-XL	PA-ET-XXL
Work Table (mm)	500 x 500	500 x 500	500 x 500
Fixture Area (mm)	1,000 x 600	1,600 x 800	1,900 x 850
Payload (kg)	500	500	500
Turn Time (sec.)	≤ 5	≤ 5	≤ 5
Measurements (L x W x H in cm)	510 x 230 x 250	550 x 260 x 250	580 x 310 x 250
Weight (kg)	3,500	3,800	3,900
Recommended Robot Type	TM-1400	TM-1400/TM-1600	TM-1800

PA-ET-2PD-SERIES | PA-ET-2DK-SERIES

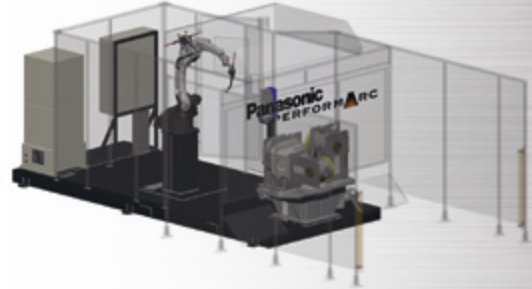
**ALSO AVAILABLE
WITH TWO ROBOTS!**

PA-ET-2PD | PA-ET-2PD-XL |
PA-ET-2PD-2R

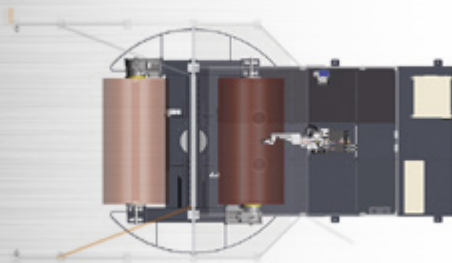


PA-ET-2PD Transparent Perspective

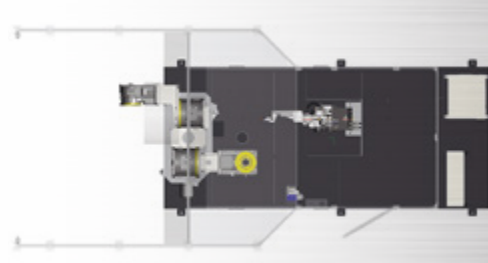
PA-ET-2DK-250 | PA-ET-2DK-500 |
PA-ET-2DK-250-2R | PA-ET-2DK-500-2R



PA-ET-2DK Transparent Perspective



PA-ET-2PD Top View



PA-ET-2DK Top View

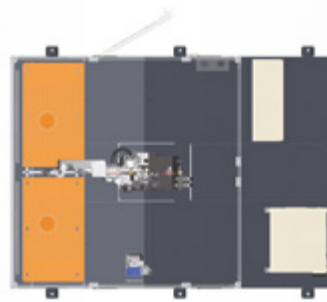
Specifications				
Model	PA-ET-2PD	PA-ET-2PD-XL	PA-ET-2DK-250	PA-ET-2DK-500
Fixture Area (mm)	Ø 800 x 1,250	Ø 1,000 x 1,600	Ø 1,000 x 800	Ø 1,000 x 800
Payload (kg)	250/500	250/500/1,000	250	500
Turn Time (sec.)	≤ 6	≤ 6	≤ 6	≤ 6
Measurements (L x W x H in cm)	580 x 280 x 250	650 x 360 x 250	650 x 310 x 250	650 x 310 x 250
Weight (kg)	4,300	5,200	5,000	5,500
Recommended Robot Type	TM-1400/ TM-1600	TM-1400/ TM-1800	depends on task	

PA-TT-SERIES

PA-TT



PA-TT Perspective

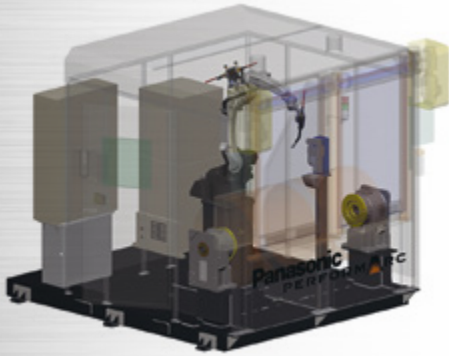


PA-TT Transparent Perspective | PA-TT Top View | PA-TT Side View

Specifications	
Model	PA-TT
Work Table (mm)	1,000 x 600
Fixture Area (mm)	1,000 x 600
Payload (kg)	400
Measurements (L x W x H in cm)	320 x 240 x 260
Weight (kg)	2,500
Recommended Robot Type	TM-1400

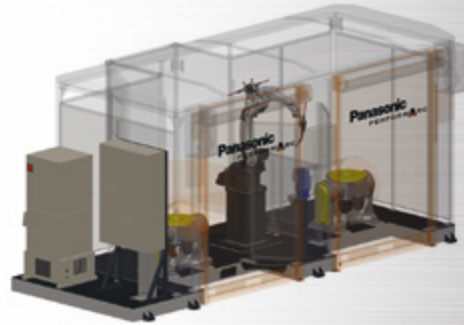
PA-TT-2PD-SERIES | PA-TT-2DK-SERIES

PA-TT-2PD-250 | PA-TT-2PD-500

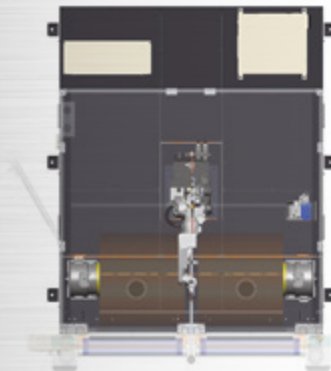


PA-TT-2PD Transparent Perspective

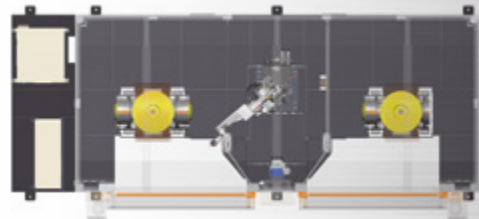
PA-TT-2DK-300 | PA-TT-2DK-500



PA-TT-2DK Transparent Perspective



PA-TT-2PD Top View



PA-TT-2DK Top View

Specifications				
Model	PA-TT-2PD-250	PA-TT-2PD-500	PA-TT-2DK-300	PA-TT-2DK-500
Fixture Area (mm)	Ø 800 x 775	Ø 800 x 1,250	Ø 1,100 x 1,000	Ø 1,100 x 1,000
Payload (kg)	250	500	300	500
Measurements (L x W x H in cm)	530 x 240 x 270	530 x 240 x 270	530 x 240 x 270	530 x 240 x 270
Weight (kg)	3,500	4,200	4,400	4,500
Recommended Robot Type	TM-1400	TM-1800	TM-1800	TM-1800

*Version with rapid doors.

PA-H-FRAME-SERIES

PA-H-Frame-2500 | PA-H-Frame-3000



PA-H-Frame Transparent Perspective



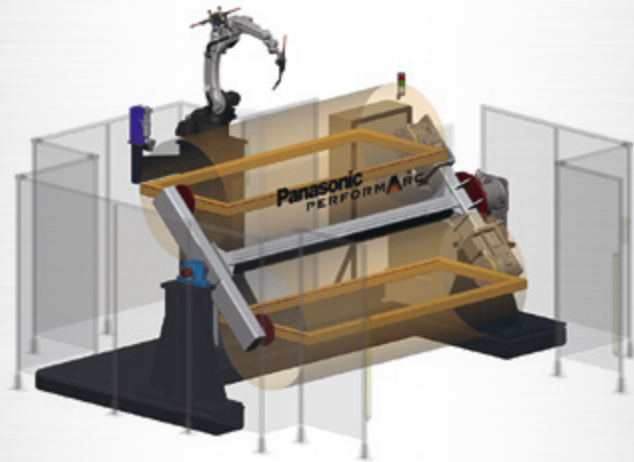
PA-H-Frame Top View | PA-H-Frame Side View

Specifications		
Model	PA-H-Frame-2500	PA-H-Frame-3000
Fixture Area (mm)	Ø 1,000x2,500	Ø 1,200x3,000
Payload (kg)	250 – 1,000	250 – 1,000
Measurements (L x W x H in cm)	410x570x260	510x600x260
Weight (kg)	3,000	3,300
Recommended Robot Type	TM-1800	TM-2000

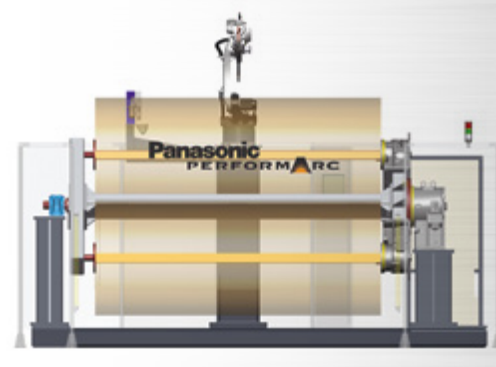
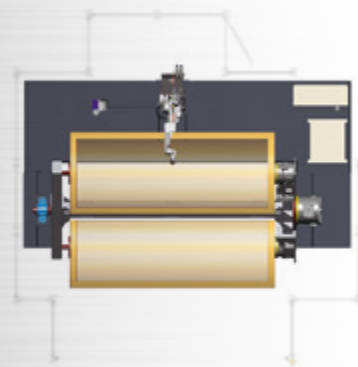
PA-FW-3PD-SERIES

ALSO AVAILABLE
WITH TWO ROBOTS!

PA-FW-3PD-2000 | PA-FW-3PD-2500 | PA-FW-3PD-3000 |
PA-FW-3PD-3500 | PA-FW-3PD-2R



PA-FW-3PD Transparent Perspective

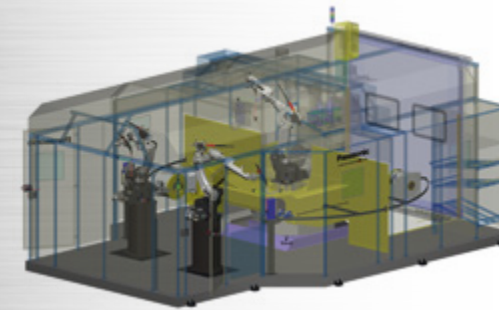


PA-FW-3PD Top View | PA-FW-3PD Front View

Specifications				
Model	PA-FW-3PD-2000	PA-FW-3PD-2500	PA-FW-3PD-3000	PA-FW-3PD-3500-2R
Fixture Area (mm)	Ø 1,000 x 2,000	Ø 1,000 x 2,500	Ø 1,000 x 3,000	Ø 1,000 x 3,500
Payload (kg)	250/500	250/500	250/500	250/500
Measurements (L x W x H in cm)	500 x 700 x 280	500 x 750 x 280	510 x 800 x 280	560 x 850 x 280
Weight (kg)	4,000	4,200	4,400	5,000
Recommended Robot Type	TM-1800	TM-1800	TM-2000	2x TM-1800

CUSTOMIZED SYSTEMS

ALSO AVAILABLE
WITH TWO ROBOTS!



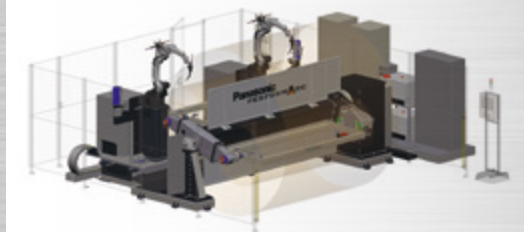
PA-ET-2PD-3R

2x turn positioners
Payload: 750 kg

PA-FW-3PD-S-2R

Ferris wheel with two robots
and two positioners

Payload: 500 kg



PA-S-2PD

Robot with shifter and
three work stations

2x tilt-/turn positioners

1x turn positioner

Payload: 500 kg or 2,000 kg



PA-S-G-2PD

Hanging robot with shifter

2x turn positioners

Payload: 2,000 kg



EQUIPMENT OPTIONS

**TAWERS WELDING SYSTEM WITH
INTEGRATED POWER SOURCE**

**PRODUCTION MANAGEMENT
INFORMATION**

**PANASONIC MIG/MAG
PULSE-POWER SOURCES**

WATERCOOLED TORCH

TORCH CLEANER

ACTIVE WIRE-TECHNOLOGY

**PANASONIC
TIG-POWER SOURCES**

FAST SLIDING DOORS

**DTPS OFFLINE
PROGRAMMING AND
SIMULATION SOFTWARE**

JIG/FIXTURE FRAME

Tel.: +49(0)2131/60899-0
Fax: +49(0)2131/60899-200
robots@eu.panasonic.com
www.panasonicrobotics.eu