

VRPS

Virtual Robot Programming System

Simple robot teaching system



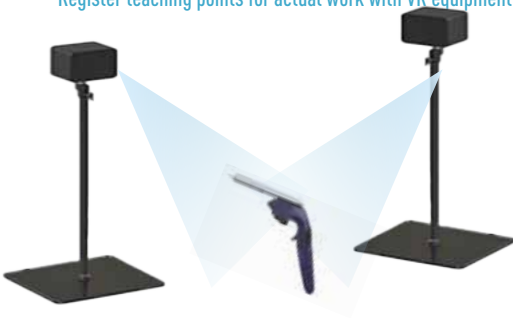
VRPS makes teaching easy due to intuitive operation

Panasonic Robot & Welding System Solutions presents the Virtual Robot Programming System (VRPS). This solution enables even unskilled robot operators to execute welding robot programming efficiently. The VRPS uses a digital twin of the welding robot that follows the movements of the manually guided torch model. Movements and welding tasks are defined on the real workpiece with the torch model, the virtual sequence is then transferred to

the robot controller to be repeated by the robot. Two key benefits render the VRPS a great tool to improve your production:

- robot operators do not require years of experience, knowledge, or skill to program the robot
- the robot programming time is reduced drastically by simply using virtual reality on the actual workpiece

Register teaching points for actual work with VR equipment



Head mounted display

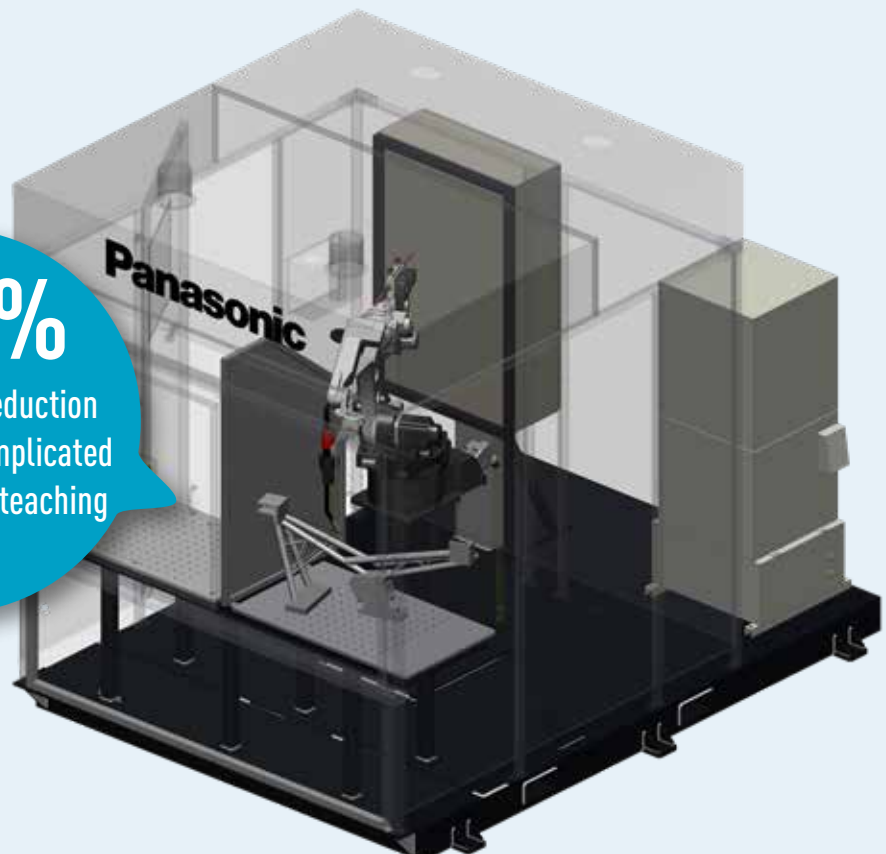


PC with VRPS software installed



TIME-SAVING EFFECT

Up to **60%**
teaching time reduction
for work with complicated
shape and many teaching
points.




JUST WELD IT!

G3/WG3/WGH3 series




- » VR technology recreates technic and torch movement of skilled welder
- » Intuitive operation reduces required skill level
- » VRPS reduces teaching time

CONFIGURATION




Software

+




USB dongle key

+



Torch model

+



PC + HTC VIVE Pro + LAN cable

VRPS package

Items prepared by customer

VR equipment		HTC VIVE Pro (Panasonic specified equipment)
PC specs	OS	Windows 10 64bit
	CPU	Intel® Core™ i5-4590, equivalent or better
	Graphics	NVIDIA® GeForce® GTX 1060, equivalent or better
	Memory	4GB RAM, equivalent or greater
	Video output	DisplayPort 1.2 or newer
	USB port	USB 3.0 or newer, 2 ports or more

JUST WELD IT!

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