

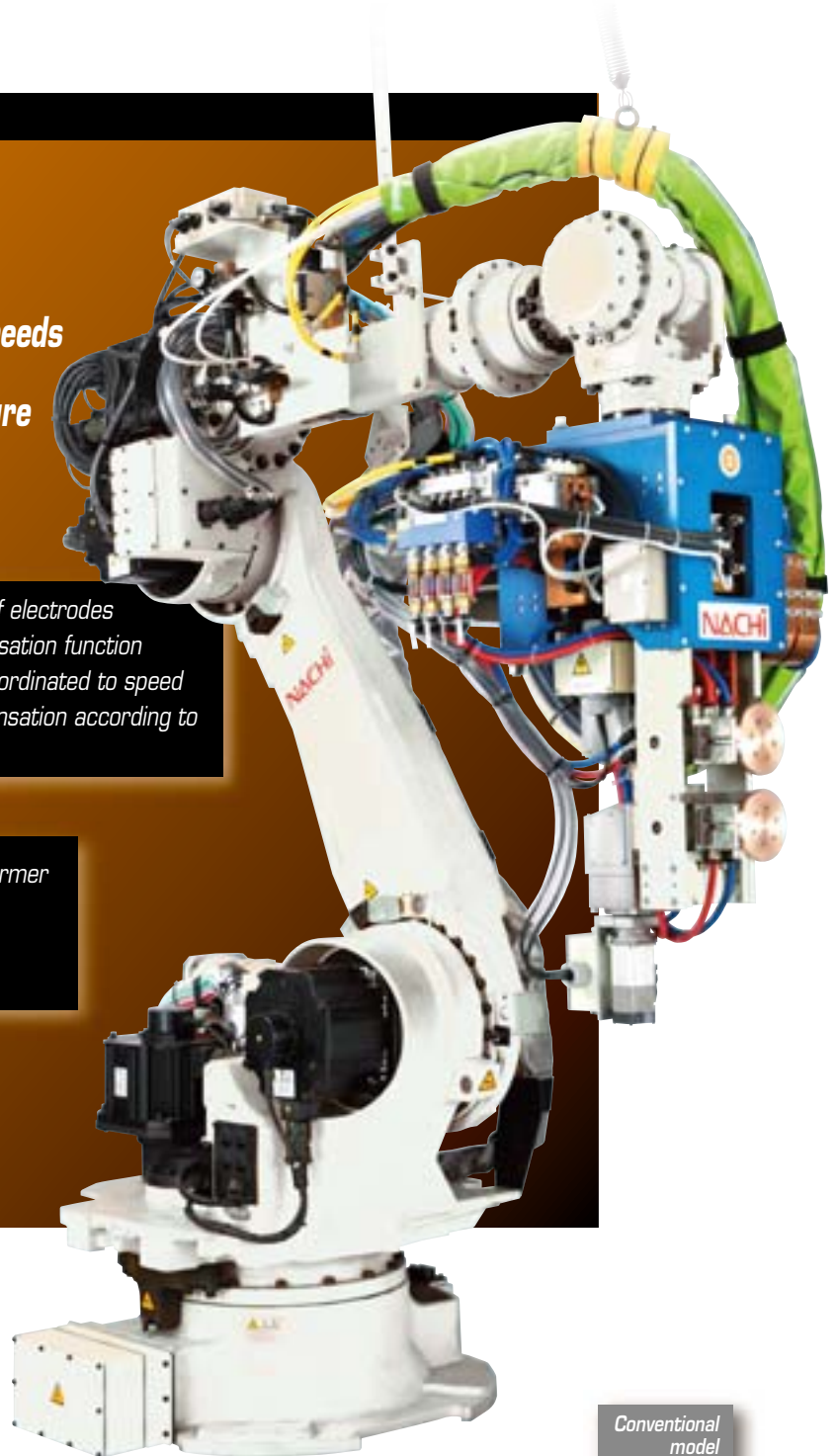
# High-speed Seam Welding Robot

## Characteristics

- *Handles 3D shapes*
- *Super fast welding surpasses laser speeds*
- *Consistent welding even at low pressure*
- *High efficiency for energy savings*

- *Synchronized rotation of electrodes*
- *Electrode wear compensation function*
- *Welding parameters coordinated to speed*
- *Electrode speed compensation according to thickness of steel sheet*

- *Super compact and highly efficient MF transformer*
- *Long-life special housing (power supply unit)*
- *Non-slip welding with dual electrode operation*



## Newly developed MF transformer

*Proprietary transformer for controlling current for welding*

**Capacitance: 70 kVA**

■ Transformers available from 70 kVA to 220 kVA



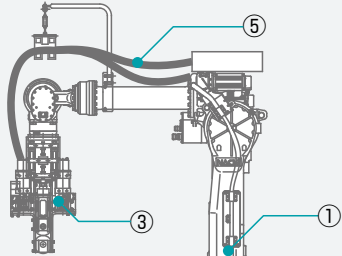
Conventional model  
40kg

Developed product  
9kg

# High-speed Seam Welding Robot

## Standard system configuration

### Standard products

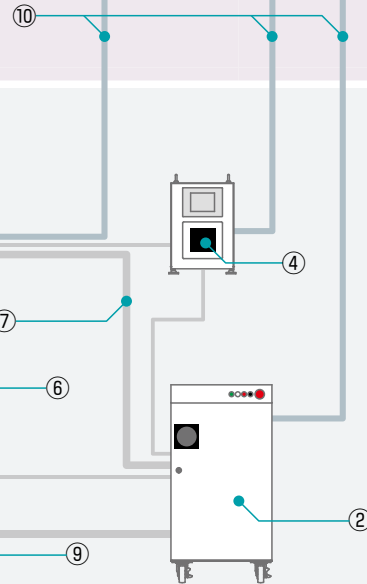


### Items provided by customer

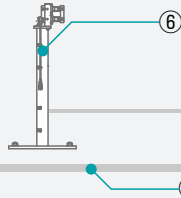
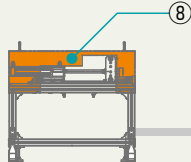
Air:  
External diameter  $\phi 12 \times 1$   
Water supply hose:  
Internal diameter  $\phi 19 \times 2$   
Water exhaust hose:  
Internal diameter  $\phi 19 \times 2$

3 phase  
200 VAC

3 phase  
400 VAC

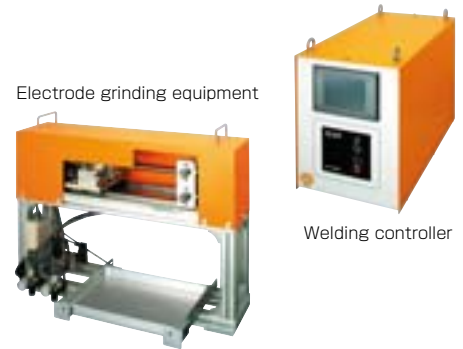


### Options



No.	Name of product	Model
①	Robot*1	ST210F-01
②	Robot controller	AX20-0000
③	Seam welder	RS-0910510
④	Welding controller	AH-FFHC-640
⑤	Included equipment (air and cooling water equipment)	-
⑥	Electrode wear detection LS	E0516298D2
⑦	Cable (robot/welder)	-
⑧	Electrode grinder*2	090990
⑨	Electrode grinder cable*2	-
⑩	Items provided by customer	-

\*1: Robot models may change due to specifications of welder, layout, and other considerations.  
\*2: Optional setting.



## Example of seam welding applications



Spiral pipe and flange



Auto body



Portable gas tank

# NACHI

<http://www.nachi.com/>

## NACHI-FUJIKOSHI CORP.

Tokyo Head Office Shiodome Sumitomo Bldg. 17F, 1-9-2 Higashi-Shinbashi, Minato-ku, Tokyo 105-0021, JAPAN  
Toyama Head Office 1-1-1 Fujikoshi-Honmachi, Toyama 930-8511, JAPAN

Tel:+81-(0)3-5568-5245 Fax:+81-(0)3-5568-5236  
Tel:+81-(0)76-423-5111 Fax:+81-(0)76-493-5211

NACHI ROBOTIC SYSTEMS INC. <http://www.nachirobotics.com/>  
NACHI EUROPE GmbH  
NACHI-FUJIKOSHI CORP. THAILAND REPRESENTATIVE OFFICE  
NACHI BRASIL LTDA.  
NACHI (AUSTRALIA) PTY. LTD.

Tel:+1-248-305-6545 Fax:+1-248-305-6542  
Tel:+49-(0)2151-65046-0 Fax:+49-(0)2151-65046-90  
Tel:+66-2-714-0008 Fax:+66-2-714-0740  
Tel:+55-11-4793-8800 Fax:+55-11-4793-8870  
Tel:+61-(0)2-9898-1511 Fax:+61-(0)2-9898-1678

Specifications and configurations may change without notice due to product developments.

CATALOG NO. R7019-2E

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