

Seamless Integration

Custom Yamaha Function Blocks for Siemens S7-1200 & 1500

YRG
ROBOTICS

YAMAHA



- Simple Single FB for TS Controllers
- Seamless integration using custom Yamaha FBs
- Simple drag and drop ladder programming with TIA Portal
- Teach and replay points in a Yamaha robot using a Siemens HMI
- For more information, visit www.yrginc.com

"YamTS FB_1_DB"	
"YamTS Single FB"	
EN	ENO
0 HW Identifier	Actual Position 0.0
SerialNumber	Cycle Time 0.0
false ENPhaser	Out0 false
0 Mode Select	Out1 false
false Safety Interlock	Out2 false
false Servo ON	Out3 false
false Origin	Servo OK false
false Mode Auto	Servo Busy false
false Jog Forward	Servo End false
false Jog Reverse	Servo Fault false
false Manual Step	Brake Unlocked false
false Reset	In Cycle false
false Move OK	Position Complete false
16#0 Move Point	Last Point
0.0 Move ABS Pos	Not Err
0 Move ABS Spd	Error Co
<???	Config
	HMIPosition
	Fault Message
	HMI Target
	Position 0.0

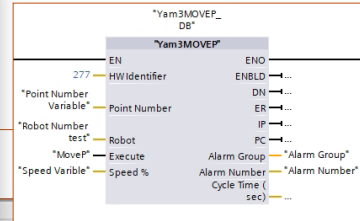
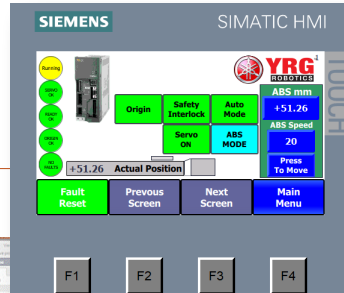
EASY!

FBSIEMENS

Y R G - 2 6 0 - 7 4 7 - 3 4 8 2

Seamless Integration

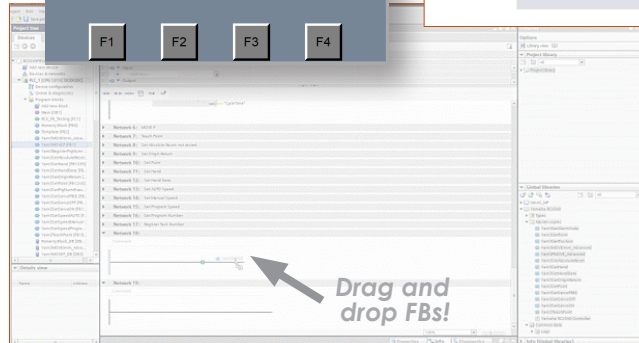
Custom Yamaha Function Blocks for Siemens S7-1200 & 1500



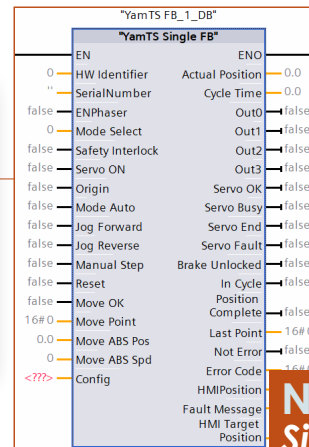
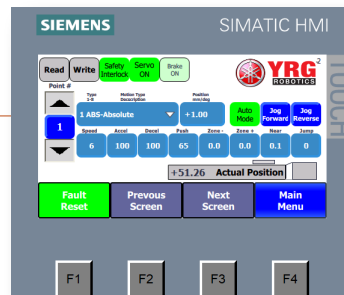
**PROFI
NET**

Ladder Logic Integration

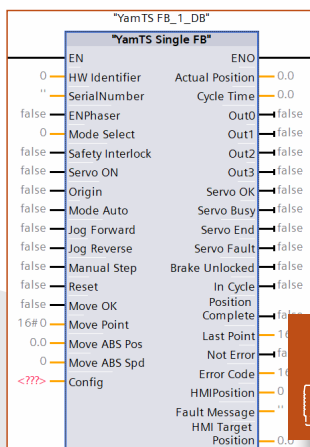
- Simple Single FB for TS Controller
- Seamless integration using custom Yamaha FB
- Simple drag and drop ladder programming with Siemens TIA Portal
- Teach and replay points in a Yamaha robot using a Siemens HMI
- Control Yamaha robots with Siemens TIA Portal- no new training necessary
- Yamaha FBs are exclusive to Siemens PLCs using TIA Portal
- Tag-based FB instructions directly move Yamaha Robots
- Extensive library of FBs available for the RCX3 controllers



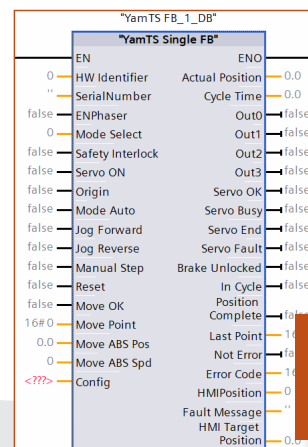
Drag and drop FBs!



**NEW!
Single FB
for TS Controllers**



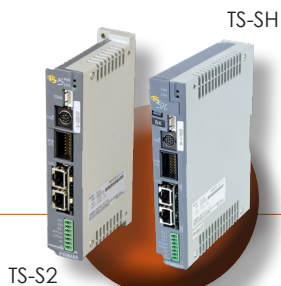
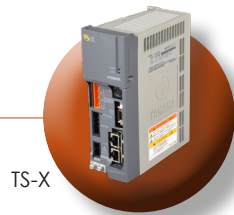
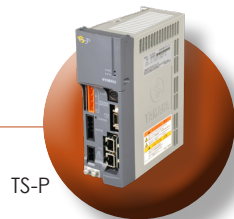
0.00 mm



75.5 mm

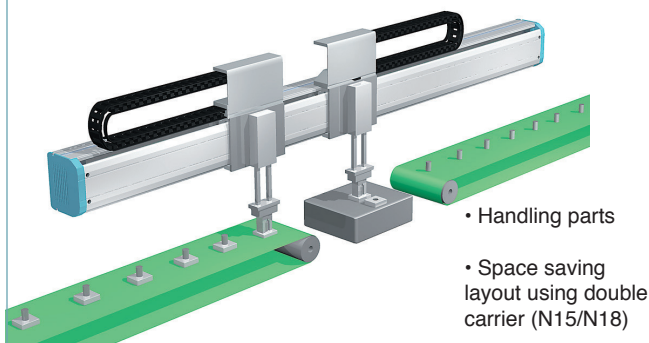


Move robots with direct millimeter commands



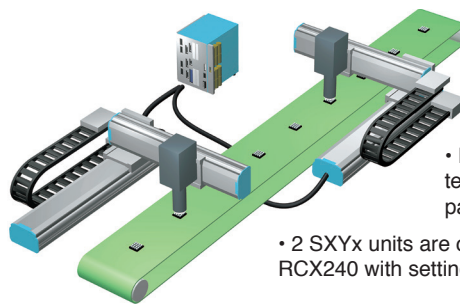
Scara		Pick-n-Place	
Cartesian		360° Orbit Robot	
Phaser Linear Motor		Flip-X Ball Screw	
SR-SRD Rod Type		RF Rotary	
SS Slide Type		BD Miniature Belt Drive	
STH Miniature Slide Type		SG07 Slide Type	

CARRY AND TRANSFER EQUIPMENT



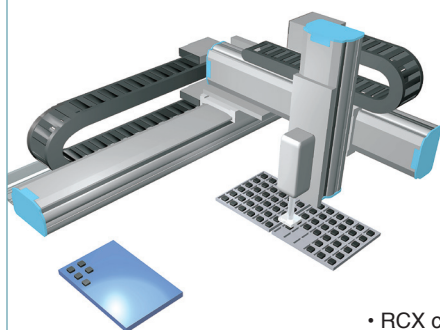
- Handling parts
- Space saving layout using double carrier (N15/N18)

TESTER (2 cartesian robots controlled simultaneously)



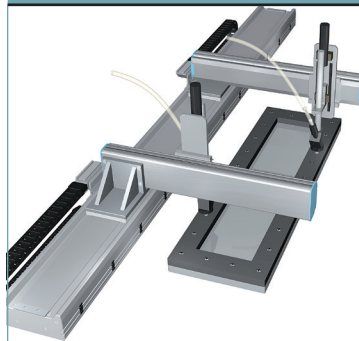
- Post-process testing of electronic parts
- 2 SXYx units are operated using 1 RCX240 with settings for 2 robots.
- High vertical traveling accuracy

IC PALLETIZING WITHIN THE UNIT



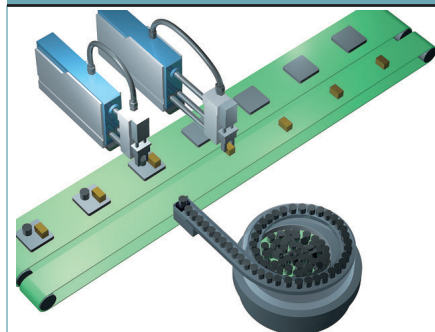
- ICs are taken out of the pallet and parts are transferred to the specified place by the robot.
- A die is attached to the circuit board during semi-conductor manufacturing
- RCX controller programming

HIGH SPEED SCREW TIGHTENING



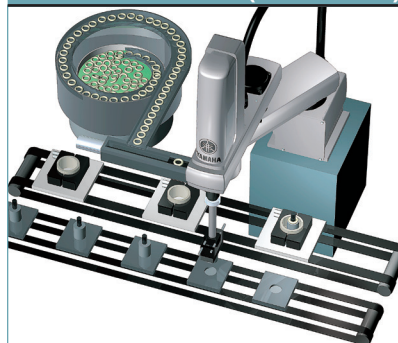
- Positioning 2 nut runners at the same time for a large work piece.
- 2 screws at opposite locations tightened at the same time.
- High speed, high accuracy

PRECISION PART ASSEMBLER



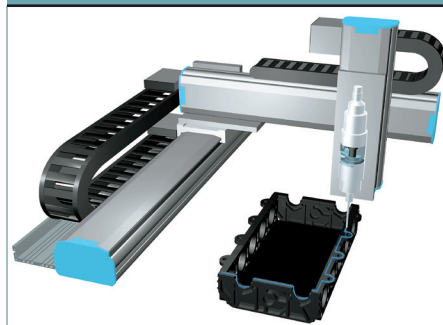
- Assembly of small size precision parts.
- High speed assembly
- Narrow machine width, and settable with a tiny pitch.

ASSEMBLY CELL (LINE CELL)



- Base machine of line type assembly cell.
- SCARA advantages with a wide operation range.
- Form a line to any length by coupling cells together.

SEALING



- Spreading sealant to mating faces of the cases
- Three dimensional application using 3 axes Cartesian robot. Cartesian robot incorporated with special purpose machine.



YAMAHA

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IM Company

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Specifications and appearance are subject to change without prior notice.