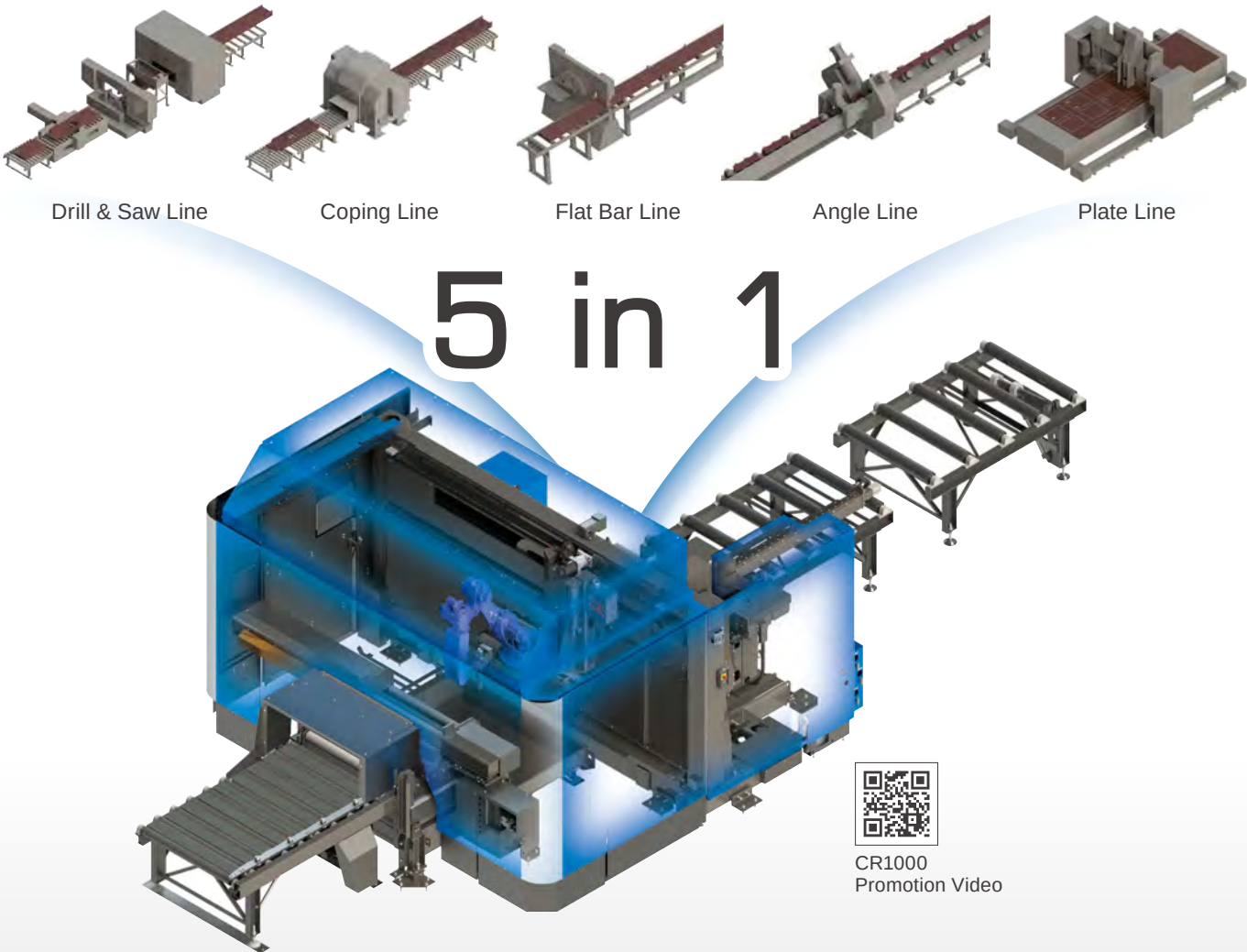


COPING MACHINE

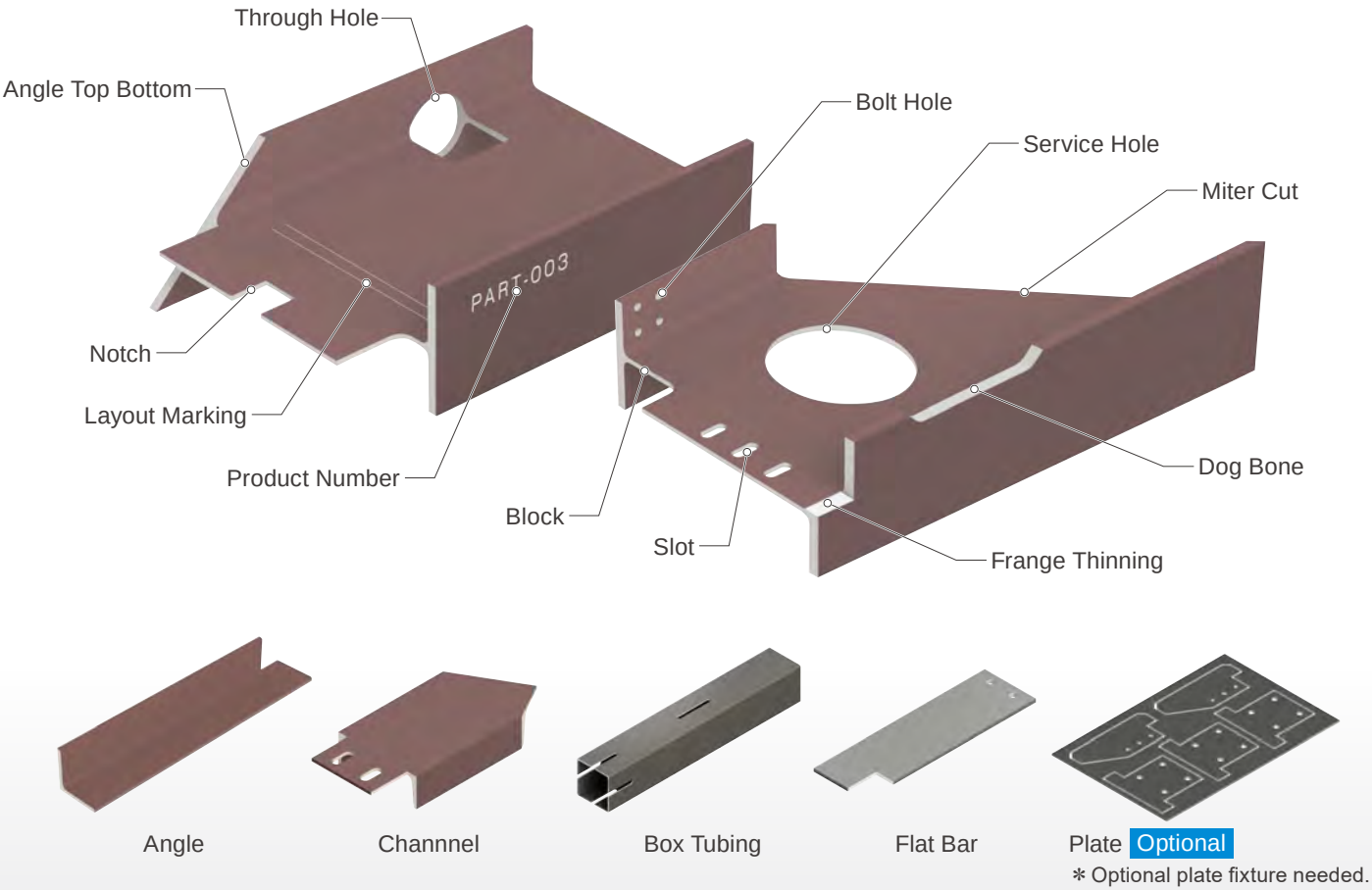
CR1000

mm



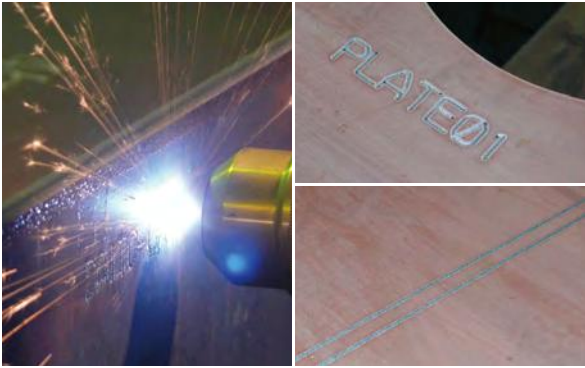


Variety of Processing

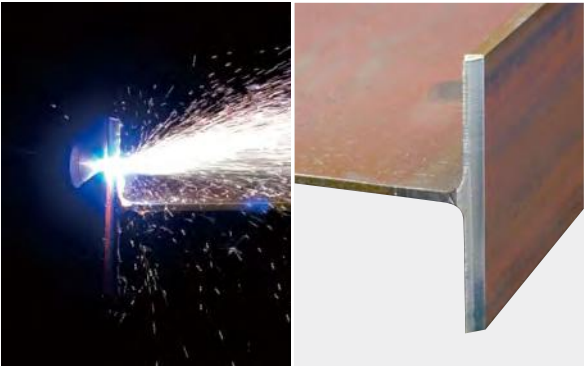


One Machine To Do It All

Drilling • Plasma cut ASIC approved bolt holes • Plasma cut slotted holes	Coping • Plasma cut all shapes and profiles • Plasma cut all types of connections - notch, flange thinning, haunches, splitting, t-beams, etc. • Weld preps Bevel cutting	Flat Bar • Cut to length, notch, mitre cut
Sawing • Plasma cut to length on all 4 sides • Mitre cut	Marking • Plasma mark on all 4 sides	Angle • Process angle toe-down • Mitre cut, notch, scallop
		Plate Optional • Effectively plasma cut and mark plates. • Capable of cutting a wide range of shapes

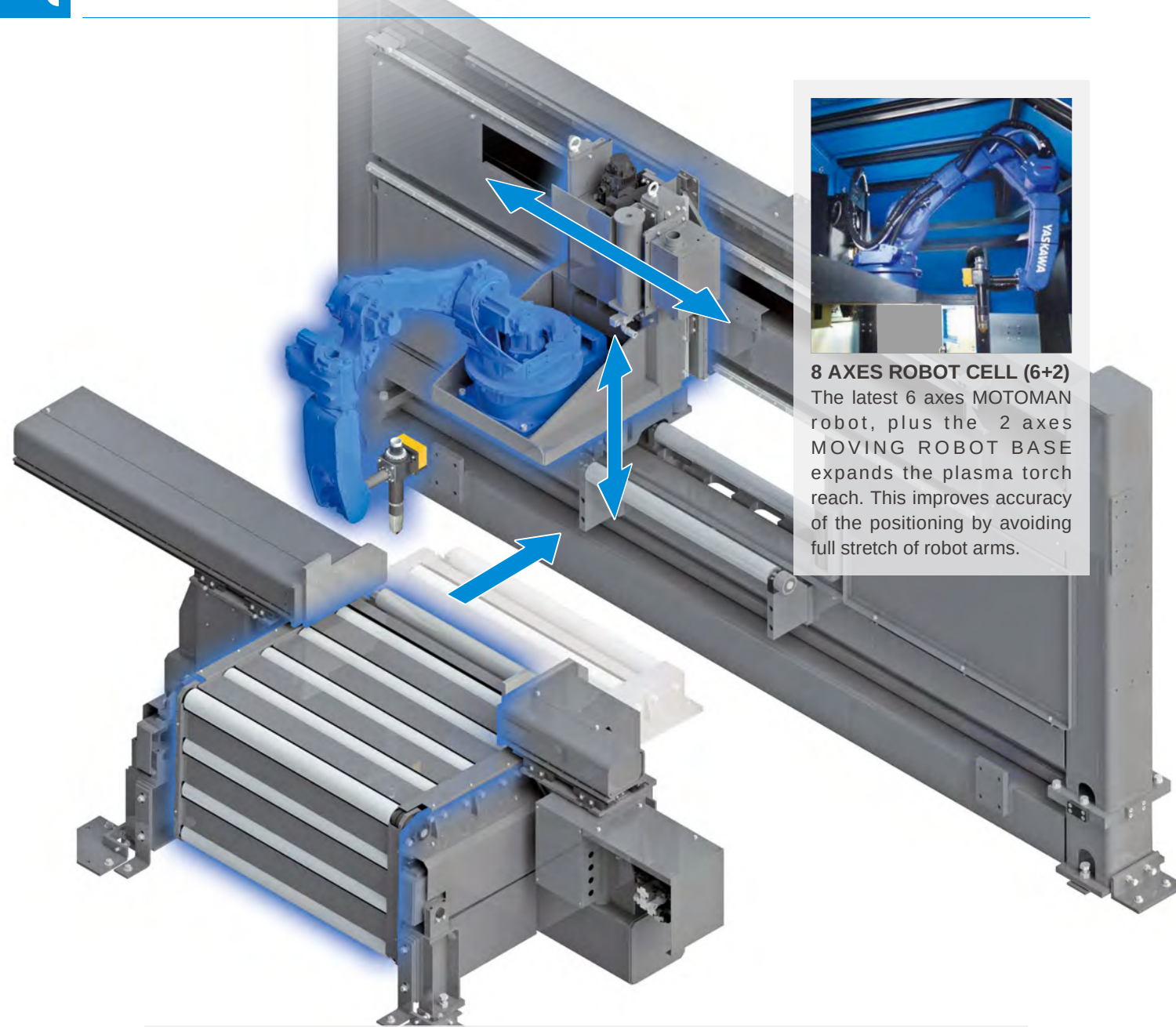


INTEGRATED PLASMA MARKING
 Text marking and layout plasma marking is available with a HighFocus cutting torch. Settings are automatically calculated. 4 sided marking is standard feature on the new DAITO CR1000.
 * The web bottom access range depends on the width of workpiece.

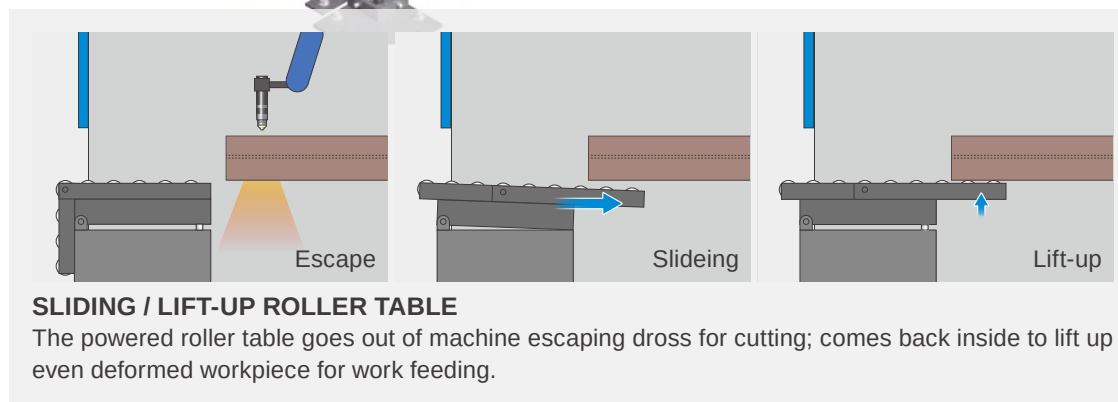


BEVELING CUTTING
 Both normal and opposite flange beveling angle are available.
 * For details, contact DAITO.

Variety Cuts by Robot



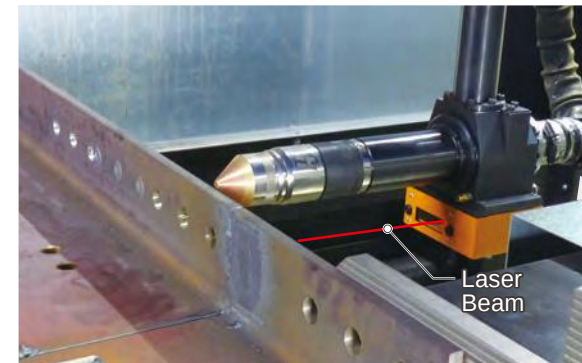
8 AXES ROBOT CELL (6+2)
The latest 6 axes MOTOMAN robot, plus the 2 axes MOVING ROBOT BASE expands the plasma torch reach. This improves accuracy of the positioning by avoiding full stretch of robot arms.



SLIDING / LIFT-UP ROLLER TABLE

The powered roller table goes out of machine escaping dross for cutting; comes back inside to lift up even deformed workpiece for work feeding.

Variety of Features



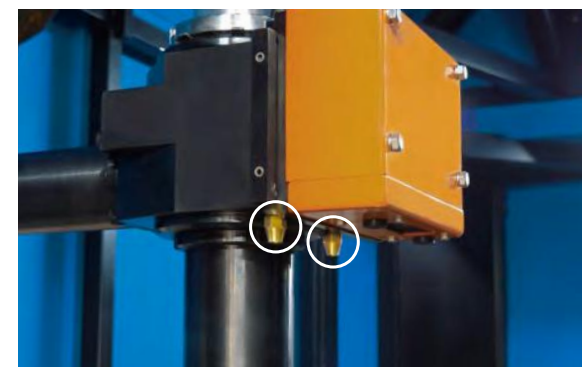
LASER MEASUREMENT

The work position is quickly detected by a laser sensor without contacting workpiece.



ROTATING TORCH

With wear resisting bearings, the DAITO rotating torch base solved the problem of cable twists and damage against the robot arm.



TWO POINTS AIR PURGE

The air from the torch base blows off drill chips, debris and dusts to avoid possible measurement errors.



WALK THROUGH HOUSING

The new fully enclosed plasma housing features full length doors and a walk through design. Convenient for cleaning and maintenance.



REPLACEABLE PROTECTION

The design engineers have made it simple remove and replace without needing experience.

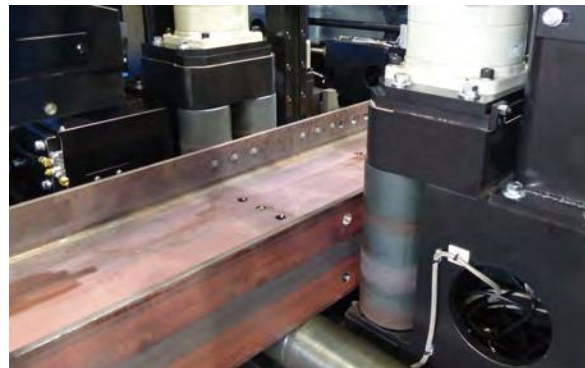


UNDERSIDE CUTTING / MARKING

The robot torch can fully cut / mark all four sides, including the underside of a workpiece. Plus when cutting box tubing we only have 2 pierces, which saves tool life.

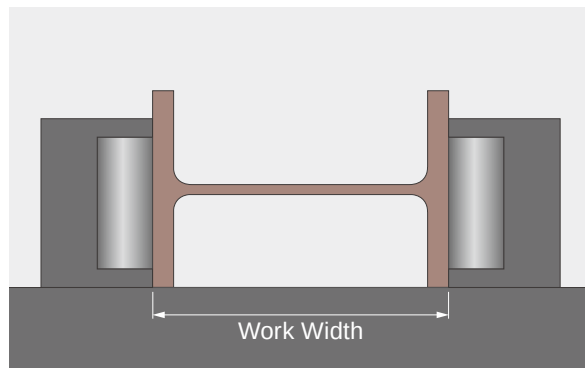
* The web bottom access range depends on the width of workpiece.

Variety of Features



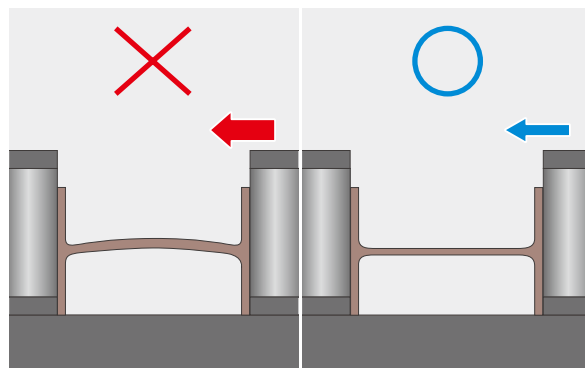
4 WORK FEED ROLLERS

Four work feed rollers are linked together so heavy workpieces can feed smoothly and accurately.



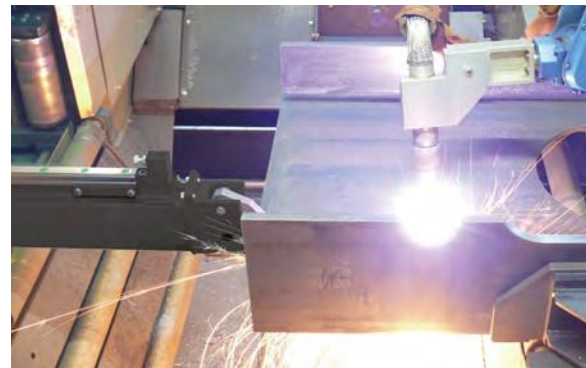
WORK WIDTH MEASUREMENT

The actual work width is measured and compared with the program data. If there is any mismatch the machine will stop and alert the operator.



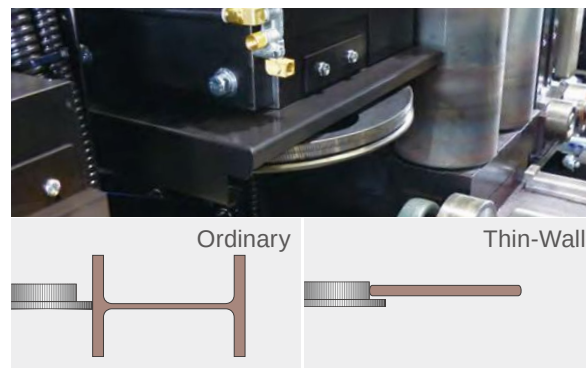
VICE PRESSURE REGULATION

The vice clamp force is optimized by program data to enable processing of thin wall workpieces without deformation.



LAST CUT FUNCTION

Ensures the workpiece can be accurately fed through the machine and the entire length can be processed with out waste.



MEASURING DISK

The work feed measurement is optimized by two types of disk contacts: one for ordinary work; the other for thin-wall work.

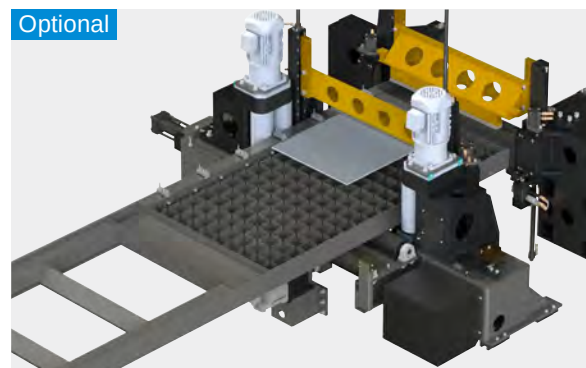


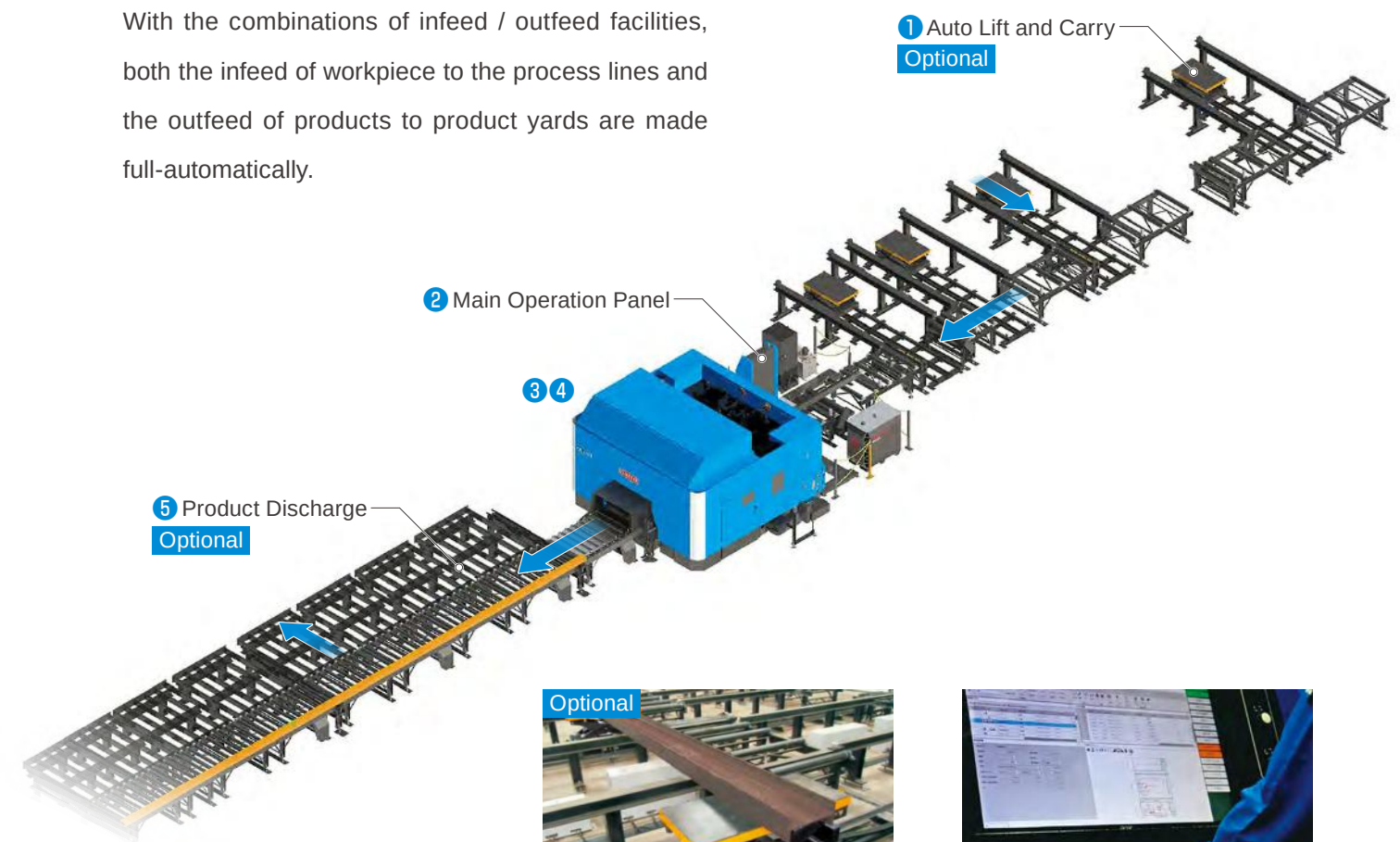
PLATE PROCESSING

Using Optional fixture and table, a plate can be drilled and cut freely.

* For details, contact DAITO.

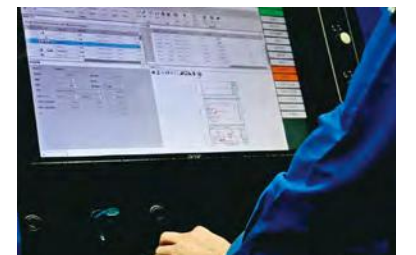
Processing Line

With the combinations of infeed / outfeed facilities, both the infeed of workpiece to the process lines and the outfeed of products to product yards are made full-automatically.



1 AUTO LIFT AND CARRY

The TraCarts lift up the work to be traversed to the infeed table.



2 MAIN OPERATION PANEL

Remote maintenance. In port NC file. Auto nesting. 3D viewer. Editing, etc...



3 ROBOTIC ARM

6 axes robot, plus 2 axes robot base. Under side cutting / marking. Stress-Free torch.



4 COPING

Laser sensor for the work size measurement depending on the jobs. DAITO 6 axes robot automatically compensates 4° for the natural taper of the plasma. This is done to insure straight proper cuts.



5 PRODUCT DISCHARGE

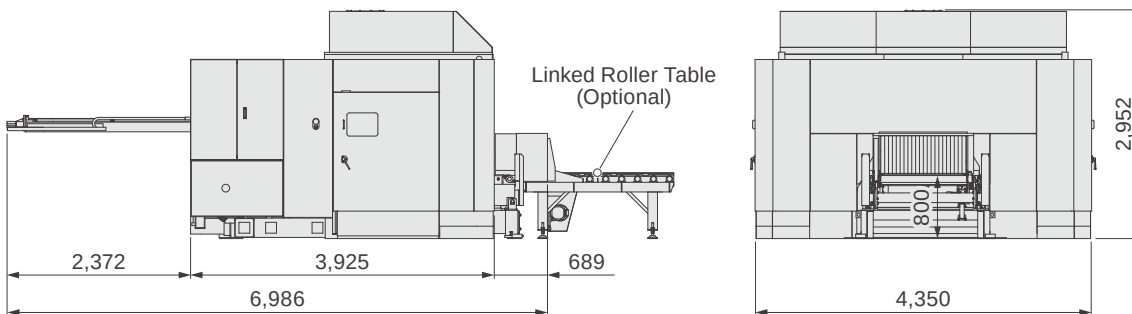
The finished products are discharged transversely off the outfeed roller table.

■ Specifications

		CR1000				CR1000	
Work* (mm)	Capacity		Min. 100 × 50 Max. 1,025 × 500	Min. Work Length	Auto Cycle	2,050mm	
			Min. 75 × 75 Max. 600 × 190	Main Work Feeder	Feeding System	Pinch Roller	
			Min. 75 × 50 Max. 250 × 250		Feeding Speed	Max. 50m/min	
					Max. Indexible Weight	8,000kg	
			Min. 75 × 40 Max. 380 × 100	Motor Output	Measure	Measuring Disk	
			Min. 75 × 50 Max. 250 × 400		Plasma	63.0kW	
					Robot	2.5kW	
	Hydraulic				3.7kW		
		Min. 75 × 45 Max. 500 × 350	Power Consumption	Others	6.3kW		
	Thickness	Min. 75 Max. 400		Total	75.5kW		
Machine Weight			75A (AC200V)				
		6 - 50 (Box Tubing : 2.3, Flat Bar : 9.0)		Machine Weight		6,800kg	

* For the details of specific workpiece application, contact DAITO.

■ Overall Dimensions (mm)



Specifications/outlook are subject to change without notice.



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DAITO SEIKI Web Site



YouTube channel "DAITOSEIKI-en"

Contains various product movies
and company profiles. Please check.

