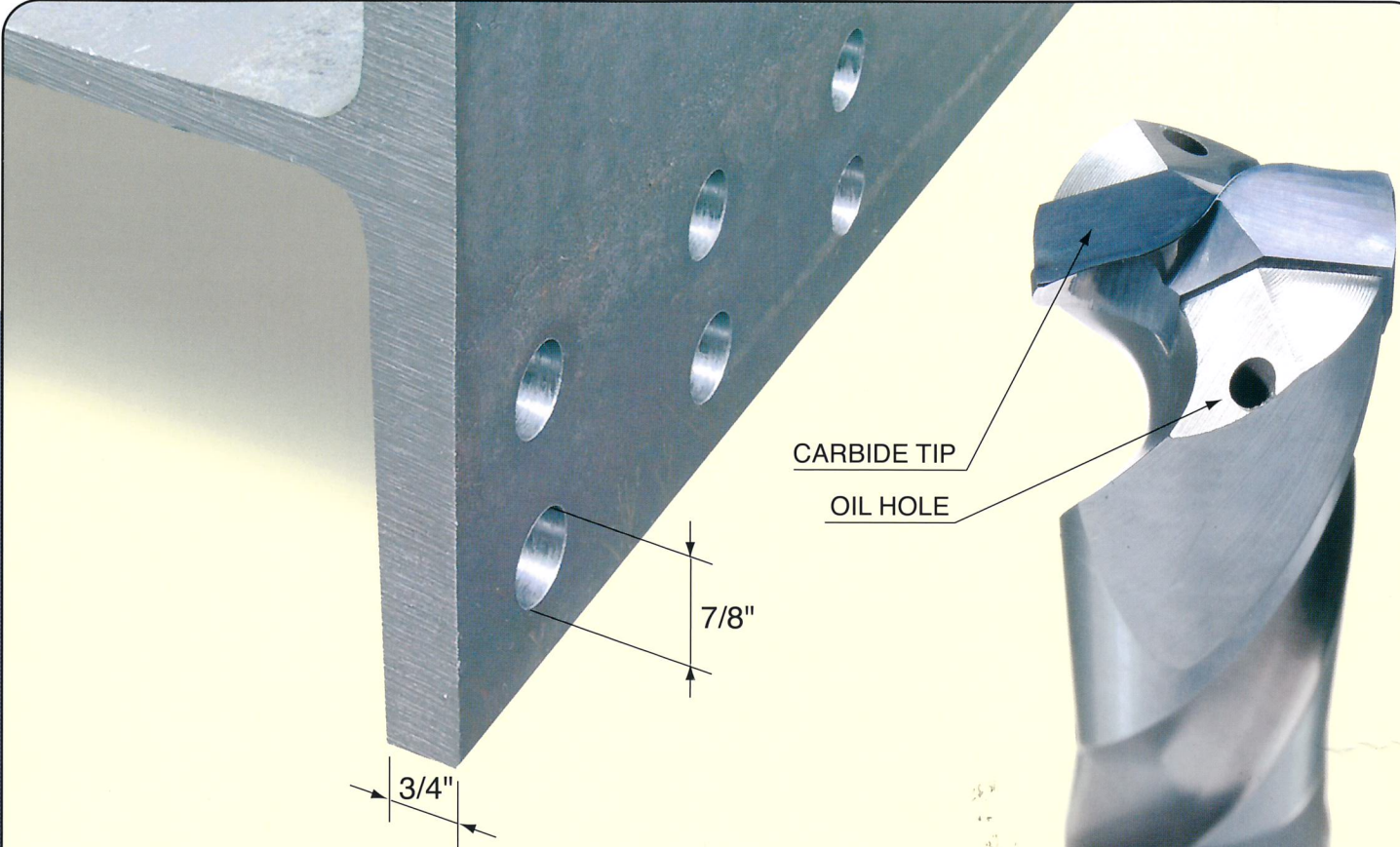


DRILLING SENSATION!

CARBIDE DRILL+20HP MOTORS

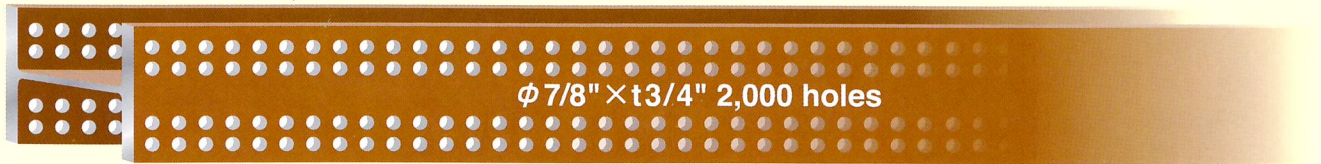


● DRILLING TIME

CARBIDE DRILL 1,300 rpm 0.016 in/rev	2.9 sec/hole (4.6 times faster than H.S.S)
H.S.S DRILL 360 rpm 0.011 in/rev	13.25 sec/hole

CARBIDE DRILL

● TOOL COST

	
CARBIDE DRILL Throw-away tip	Initial cost (30% cheaper than H.S.S)
H.S.S DRILL Re-grind 9 times	Initial cost Re-grind cost

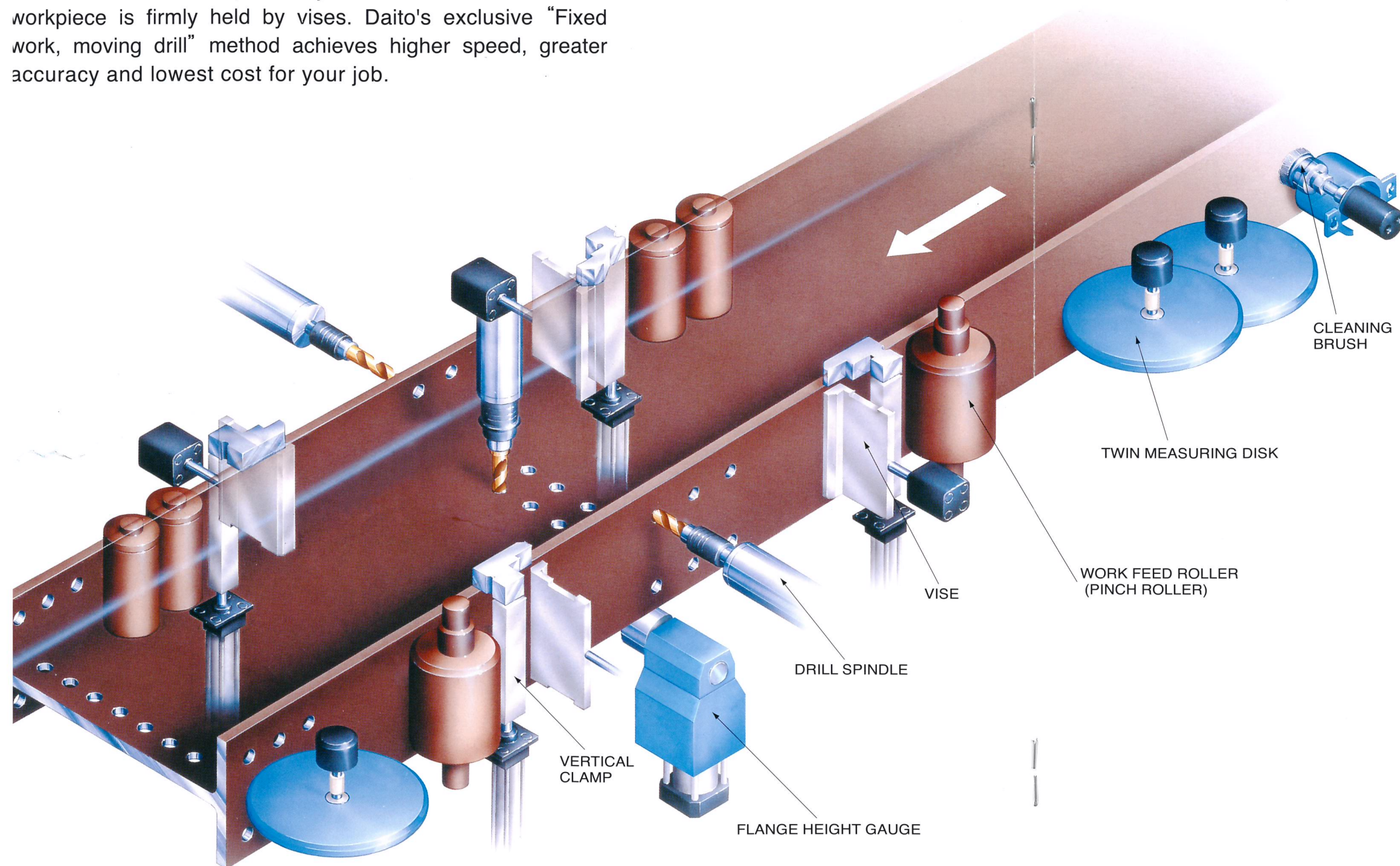
Carbide drill bits have never before been used for structural steel drilling because of the fragile characteristics of carbide. Now, Daito's innovative engineering has developed a new series of high-speed machines capable of utilizing carbide drill bits - the CSD series. The new Daito CSD series machines boast powerful 20 HP spindle motors

and exceptionally rigid construction that combine to produce drilling that is 4.6 times faster than conventional. Drilling costs are dramatically reduced by the amazing productivity and overall tooling costs. The machines feature Daito's unique "fixed work, moving drill" method and are fully covered to provide a safe and clean working environment.

AN OUTSTANDING DAITO FEATURE

"Fixed work, moving drill" method

Three drills travel independently in four directions while the workpiece is firmly held by vises. Daito's exclusive "Fixed work, moving drill" method achieves higher speed, greater accuracy and lowest cost for your job.



Three drills position freely within a substantial area.



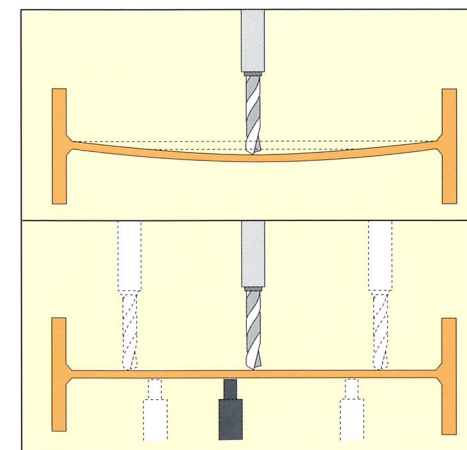
PINCH ROLLER SYSTEM

The workpiece is fed by powerful pinch rollers which are located on the infeed, outfeed side of the machine. Even heavy workpiece are fed smoothly.



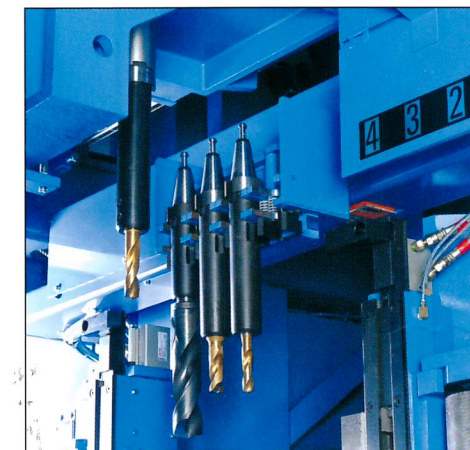
TWIN MEASURING DISKS

For precise measurement, twin disks work together. If the measurements of each disk are apart, an alarm is issued. The contact height of the disks is adjusted automatically.



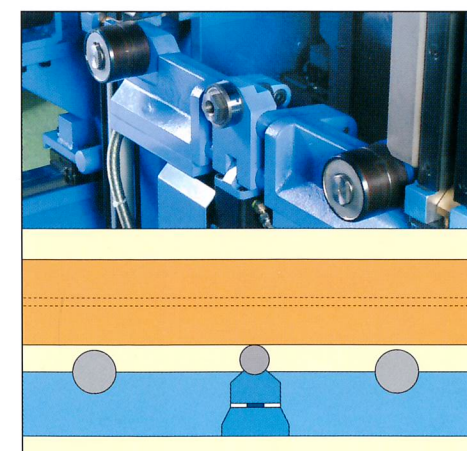
WEB SUPPORTS

Web supports prevent thinner webs from bending under the pressure of drilling. This feature reduces drill bit failure and improves hole quality.



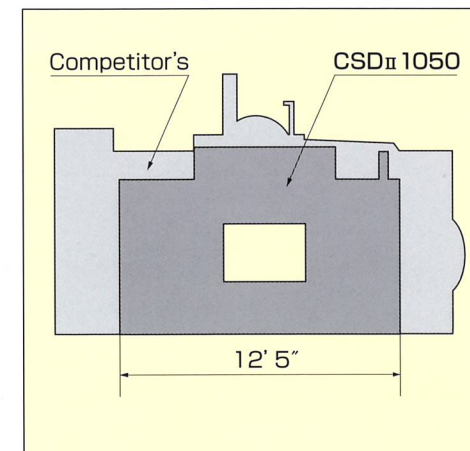
AUTOMATIC TOOL CHANGER

The web drill head is equipped with an Automatic Tool Changer (ATC) which can store as many as four different drill bits.



FLANGE HEIGHT GAUGES

To assure precise hole positions, the flange height gauges not only support flanges, but also measure flange distortion which still remains after being pressed by vertical clamps.



COMPACT / SAFE / CLEAN

The compact and fully covered construction of the Daito CSD series drills provides a safe and clean working environment.

D&D MASTER

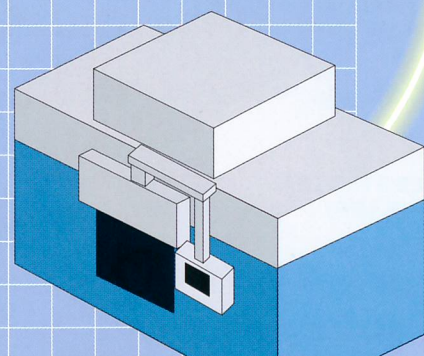
DAITO'S EXCLUSIVE SOFTWARE

D&D MASTER software can be linked with CAD system to eliminate redundant input. Once a job is detailed by CAD, D&D MASTER converts to drilling data and transfers to the drilling machine.

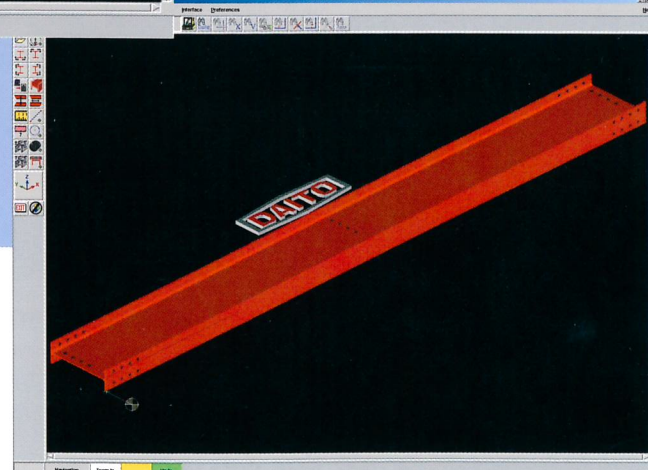
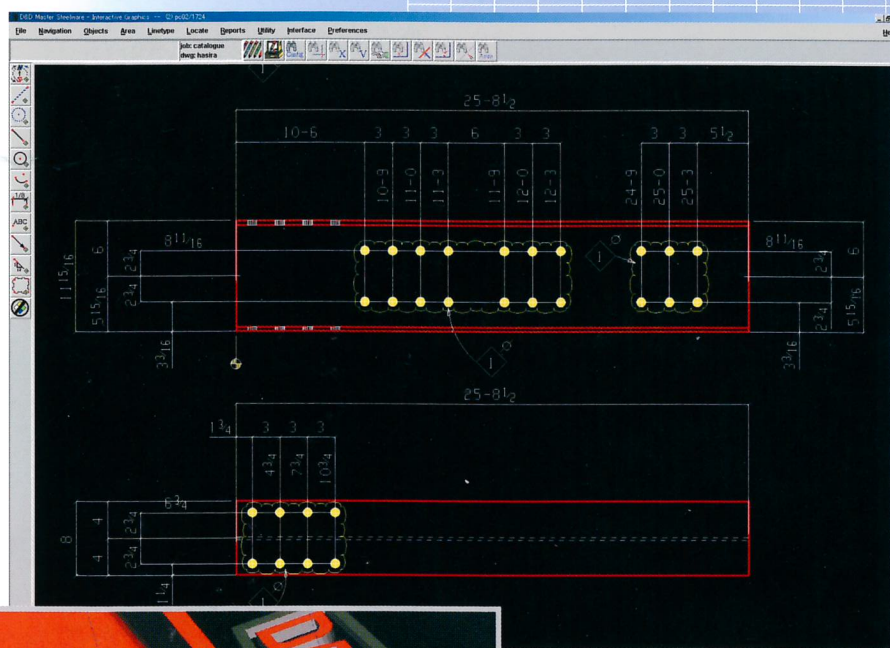
- WINDOWS format software
- Linkage available with many CAD systems
- Real perspective work views
- On-the-fly error checking
- Inventory control



DSTV file format



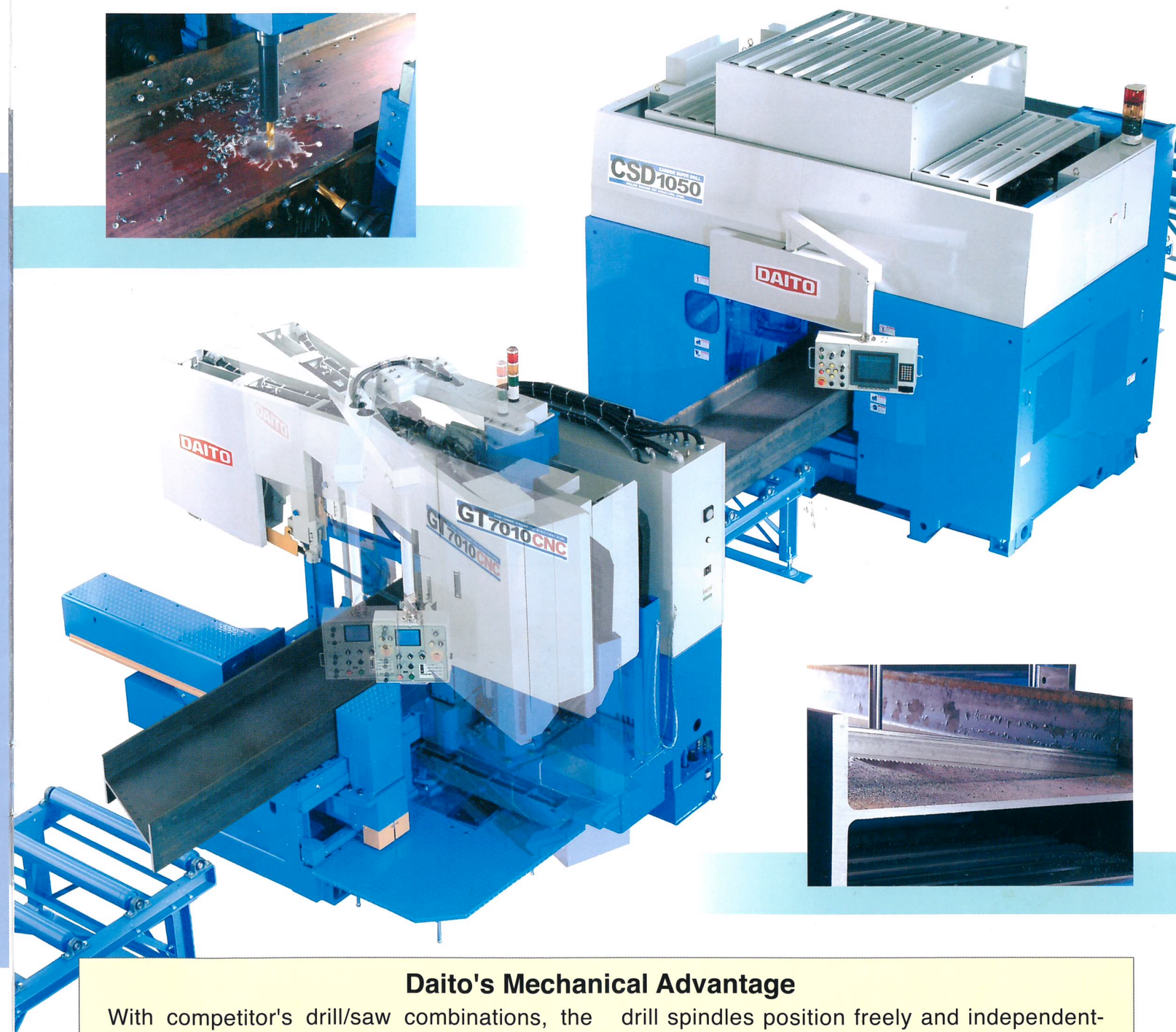
Drilling Machine



DRILLING / SAWING CELL

The CSD series carbide drill can be combined with Daito's high-speed GT series bandsaw machines to create a DRILLING/SAWING CELL. By sharing the same

measuring system, the cell dramatically streamlines shop operations, reduces material handling, requires only one operator and occupies much less floor space.

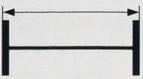
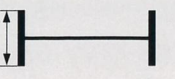
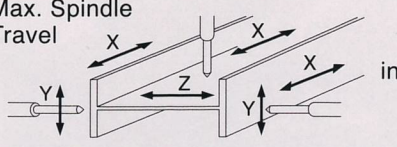


Daito's Mechanical Advantage

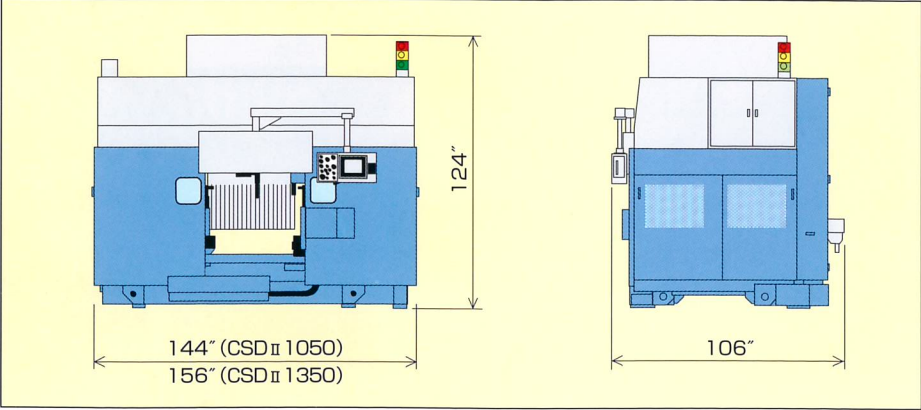
With competitor's drill/saw combinations, the drill cannot function while the saw is cutting. The result is a significant loss of productivity. Daito's mechanical advantage, the "fixed work, moving drill" method is the answer! Three

drill spindles position freely and independently within a substantial area and holes within that range are drilled simultaneously with the sawing. This synchronization minimizes efficiency losses and restores maximum productivity.

SPECIFICATIONS

MODEL		CSDⅡ 1050	CSDⅡ 1350
Beam Width  in.	Max.	40	51 1/2
	Min.	6	
Flange Height  in.	Max.	20	
	Min.	3	
Thickness  in.	Max.	2	
	Min.	1/4	
Hole Diameter in.	Max.	Carbide 1 H.S.S. 2	
	Min.	Carbide 1/2 H.S.S. 3/8	
No. of Drill Spindles		3	
Each Spindle HP		20	
Spindle rpm		0~2,250	
Max. Spindle Travel  in.	X	21 5/8	
	Y	18 1/2	
	Z	36 5/8	48 5/8
No. of Drills in Web ATC		4	
Max. Feeding Speed	fpm	100 (200 : Optional)	
Max. Work Load	lbs	3,3000	
Full Load Power Consumption	Amps	200 (208V)	
Machine Gross Weight	lbs	22,000	24,200

OVERALL DIMENSIONS



DAITO U.S.A., INC.

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<http://www.daito-seiki.com>

BAND SAWING MACHINES



DRILLING MACHINES

for structural steel

Carbide Super Drill series



CSDⅡ 1050
CSDⅡ 1350