# WHY DAITO? MAJOR ADVANTAGES



PRESIDENT

Mr. Tadahiro Sugimtoto

Company Name: DAITO SEIKI CO., LTD. Head Office: Amagasaki, Hyogo, JAPAN.

Established: March 12, 1959.









Employee dormitory

## DRILLING - SAWING - COPING EXPERTS.

### Over 6,000 units sold worldwide.

- DAITO is the world's largest builder of bandsaw machines and CNC drilling machines for structural steel fabricators.
- DAITO products are made in Japan, the world's single largest structural steel market.
- DAITO is recognized worldwide for its innovative engineering, uncompromising commitment to quality and dedication to customer service.

# WHY DAITO? MAJOR ADVANTAGES

- Local support in Australia, commitment from Daito Japan to service and to act quickly on problems that may arise.
- 14 years of installations in Australia & New Zealand.
- Very fast, very reliable, space saving construction and very competitively priced.
- Japan is only ½ hour behind or on the same time zone as most states of Australia, this is very important when service assistance is required.

#### Our **biggest** feature is as follows:

- All three drill spindles move independently of each other and in 3 directions so flange drill doesn't sit idle waiting for the web drill to finish. All three drilling spindles are moving while material stays stationary. This means speed. This means accuracy. This means productivity. Even the material positioning error caused by inertia is compensated by the positioning of each drill.
- In 2006, Daito were claiming this to be the world's fastest bandsaw (GT7010CNC) automatically shifts the entire machine slightly to the side, allows the beam to enter safely and then automatically shifts back into perfect position and alignment.
- Why we have this system is that all beams are not straight coming from the mill. If the beam has some camber in it, it might hit the saw in the cell. Which mean damage to the machine?
- Our machine has flange support which supports the beam at bottom of flange. It is possible that beam will move when the top spindle drill on web, so the position of the flange lower and damage to drill bit for flange while side drill bit is drilling. You will not believe that drill need thrust pressure sometime 600kgf to 800 kgf. It might mean the material could move down.
- And ultra fast Carbide drilling machine (CSDII series) has pop-up web supports too, automatically reposition each time to support the web while it is being drilled at lightening speed. This means perfect web holes through even the thinnest sections and avoids drill bid damage.

### Daito use the pinch roller system...

- It is very easy to change the layout at any point
- It is easy expand the capacity of line
- The carriage clamps the material at end of the material. So all roller table and carriage have to be indoor, some customer who have DAITO, make house for only the machine, not for roller table, not for material.
- If the material which is very heavy, long and hit the roller table, it is possible, the level and alignment will be changed. What will be happening, accuracy of the measurement for carriage will be change because of miss alignment. 5 month or 8 month later, level will be change, so maintenance is very difficult for carriage system.
- DAITO machines can load material from both side of roller table, not like carriage system that can only load from opposite side to carriage.

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