

The AMADA logo, featuring a stylized 'A' with a red circle inside, followed by the word 'MADA' in a bold, sans-serif font.

CORNER SHEARING MACHINE

CS-SERIES

CSW-250/CSHW-220/CS-220

The AMADA logo is printed in white on a large, orange, diamond-shaped metal plate that is part of the machine's structure. The plate is positioned in the center of the frame, with the logo centered on it.

CLEARANCE
NARROW ← → WIDE

The CS-Series provides easy, precise, fast and Varied notching for sheet metal industry.

Amada provides a wide variety of corner shearing machines to suit your particular requirements.

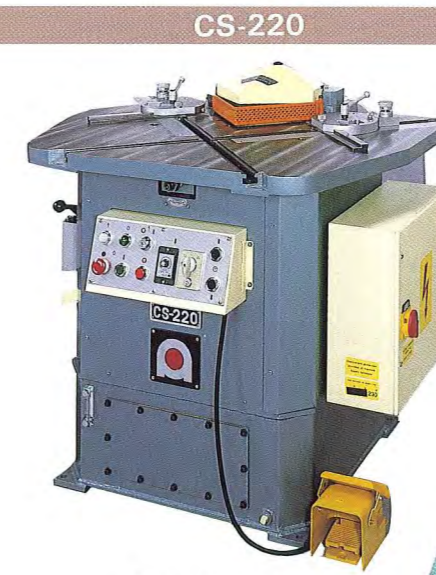
- Amada corner shearing machines are hydraulically operated for lower noise emission, minimizing operator fatigue and providing a better work environment.
- A convenient foot switch permits the operator to use both hands for work manipulation.
- Two operational modes are available, "Safety Once", and "Continuous". The "Continuous" mode allows for a timed interval setting (0–12 sec/50Hz, 0–10 sec/60Hz).
- Easy clearance adjustment between blades provides smooth, clean cuts with varied thicknesses and materials.
- Workholder prevents workpiece movement during cutting for guaranteed precision and safe operation.
- Easy tool change enables a wide processing range. The tool is changed as a single edge notch unit, simply by using the clamp lever.



For thick sheet corner notching and edge notching



For corner notching, edge notching, and punching

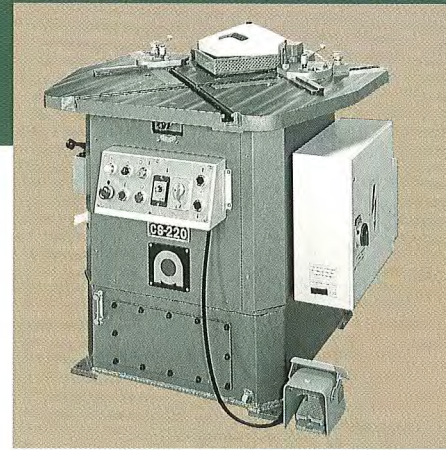


For corner notching

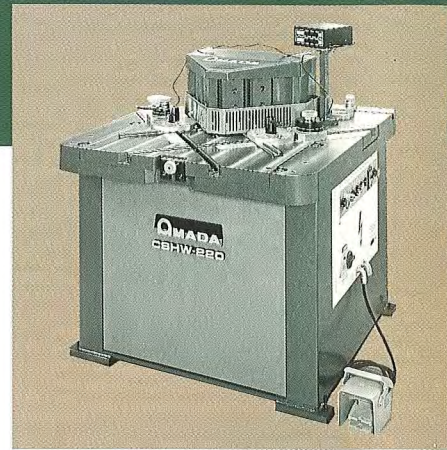




Notching Example



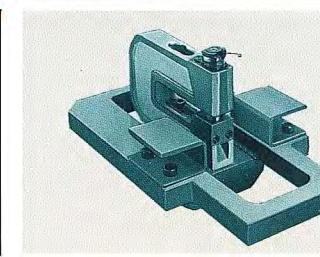
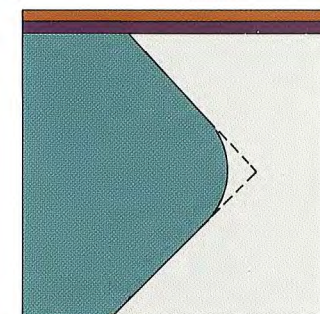
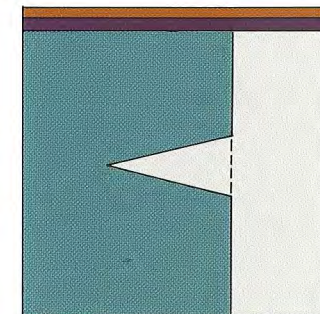
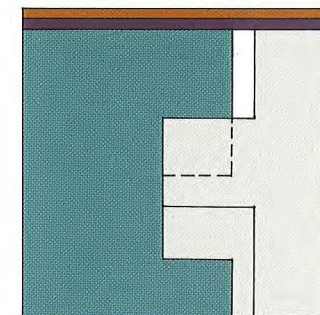
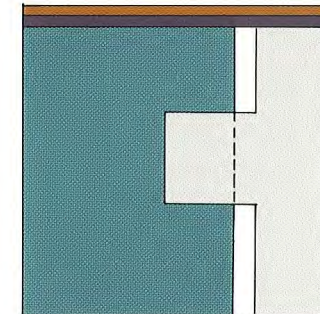
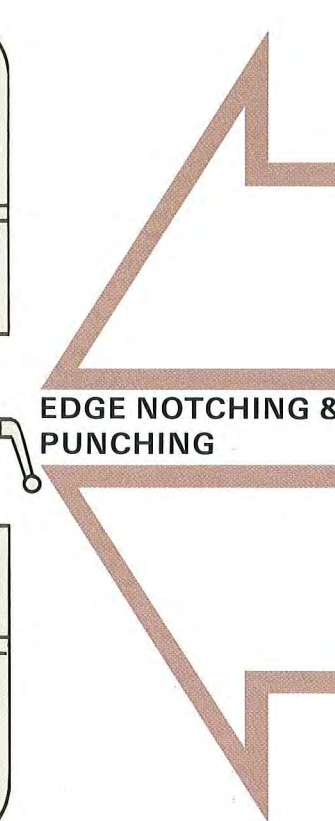
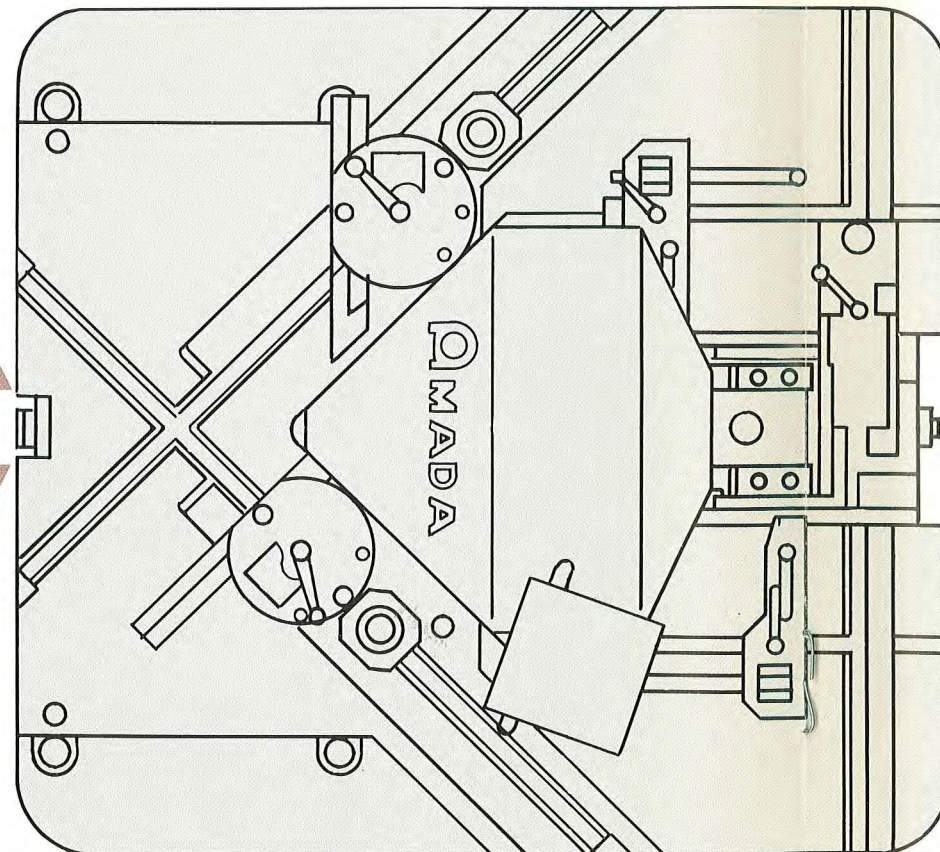
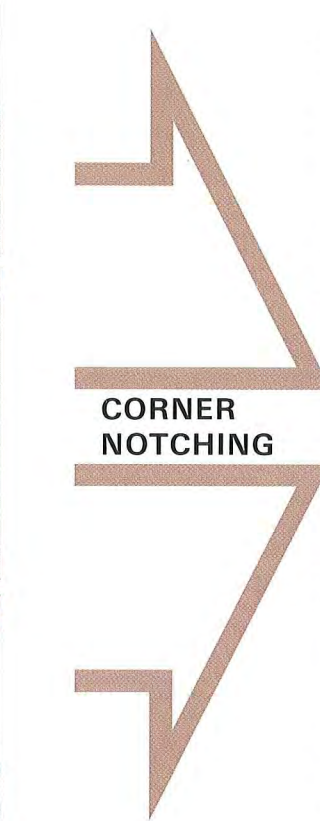
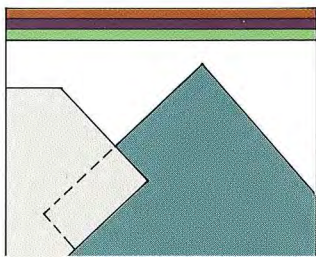
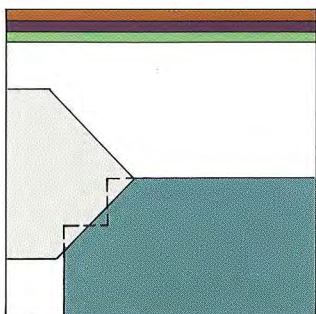
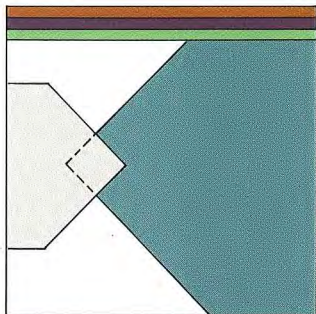
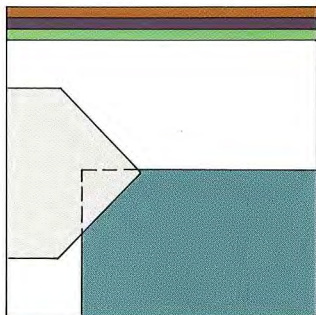
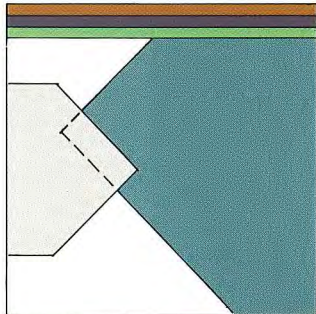
CS-220



CSHW-220

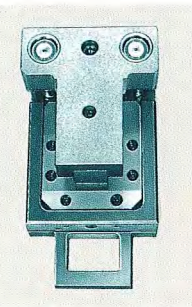


CSW-250



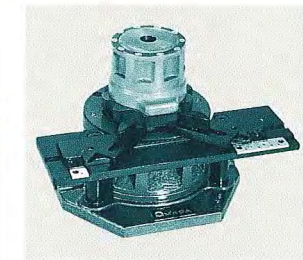
Edge Notching

Amada offers a wide selection of tooling of various shapes and sizes.



| | Edge notch | V-notch |
|-----------------|---|----------------|
| CSW-250 | Min. 20mm (0.79 in.) W × 150mm (5.91 in.) L Max. 100mm (3.94 in.) W × 150mm (5.91 in.) L | 15° or greater |
| CSHW-220 | Min. 20mm (0.79 in.) W × 100mm (3.94 in.) L Max. 100mm (3.94 in.) W × 100mm (3.94 in.) L | 30° or greater |

Corner Radius Notching



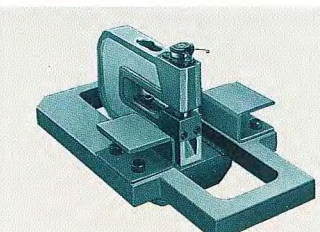
Both corner radius cutting and corner notching are available with the optional "Corner Radius Bracket" and "Ten Corner" radius set.

| Radius | |
|--------|---|
| mm | 2, 3, 4, 5, 6, 7, 8, 10, 15 (Max. corner notch=20mm) |
| inch | 3/32, 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8 (Max. corner notch=3/4") |

Punching

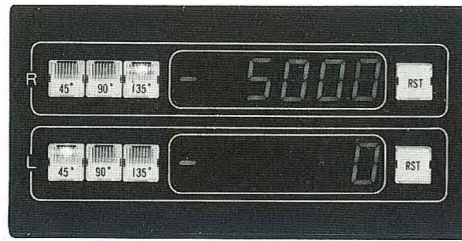
Punching capability is also possible with the optional "Punch Holder Bracket". Punching tools are available in various shapes and sizes.

Max. work area (X×Y): 390 x 100mm (15.35 x 3.94 in.)
Max. punch dia.: 50.8mm (2 in.)-1.6mm (0.063 in.)
(mild steel) thickness
25mm (0.94 in.)-3.2mm (0.125 in.)

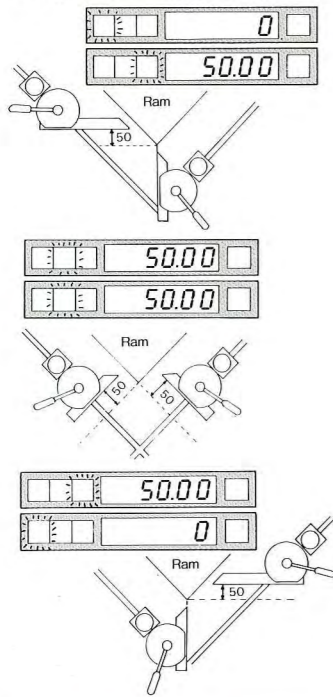


• Stop Position Display

An LED digital counter displays stopped position in 0.05mm or 0.005" increments, enabling easy positioning for corner notching. This counter shows dimensions at 45°, 90° and 135° against the blade, providing easy operations.

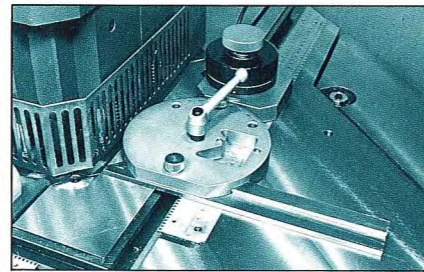


Easy Work Positioning



• Scale and Fine Adjustment Knob

A scale allows for easy positioning of small materials. A fine adjustment knob for X-axis and auxiliary workstop on Y-axis is located on the edge notch side.

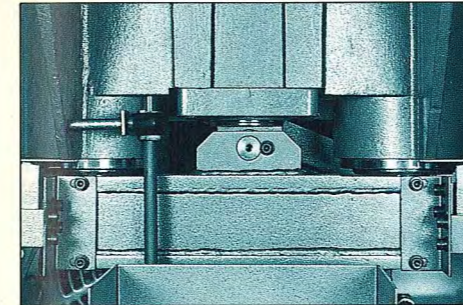


| | CS-220 | CSW-250 | CSHW-220 |
|--|------------|---------|----------|
| Digital counter | ○ | ○ | ○ |
| Workholder | — | ◎ | ◎ |
| Ram guide type | Post slide | — | ◎ |
| | Gib slide | ◎ | — |
| Punch set holder bracket (PS tool-B type) | — | ○ | — |
| Corner radius bracket (Ten corner radius set available) | — | ○ | ○ |
| Turntable | — | ○ | ○ |
| Two-edged lower blade (corner notch side) | — | ◎ | ◎ |
| Clearance adjuster | ◎ | ◎ | ◎ |

◎...standard ○...optional —...not available

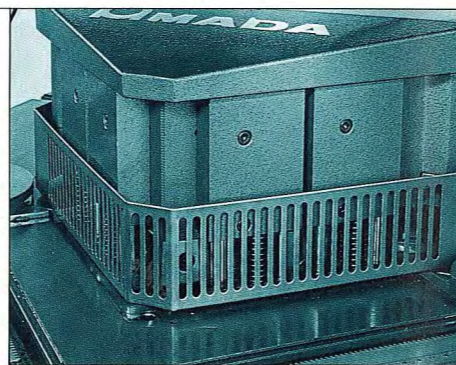
High Strength Post Style Ram Guide

The ram moves vertically along a high strength twin post slide, maintaining high accuracy for a long period of time. Oil-less bearings eliminate the necessity of daily maintenance.



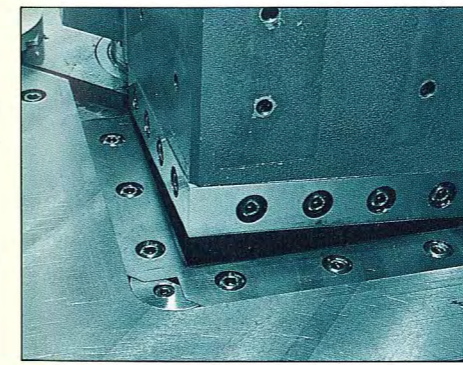
Workholder

The workholder holds the workpiece while the blade lowers, to prevent deviation during cutting, ensuring accuracy and safety.



Economical Lower Blade

A two-edged lower corner notch blade doubles the time between sharpenings.



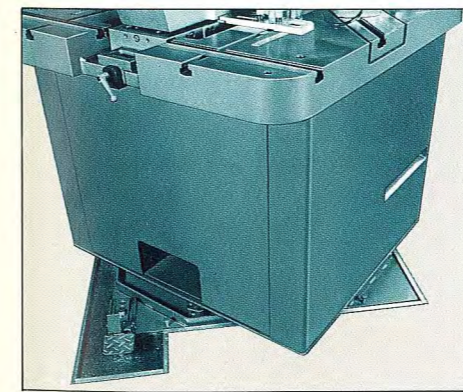
Easy Clearance Adjustment

A dial located at the table front, on the corner notching side, quickly sets the most suitable clearance according to the sheet material and thickness. (Model CS-220 differently structured)

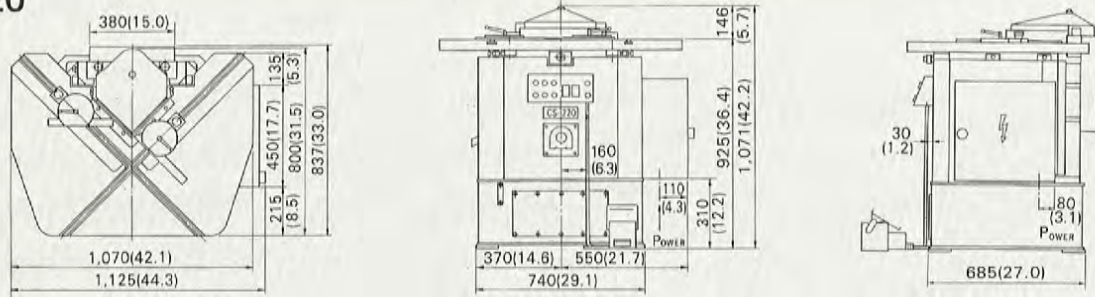


Corner Notching and Edge Notching at the Same Position

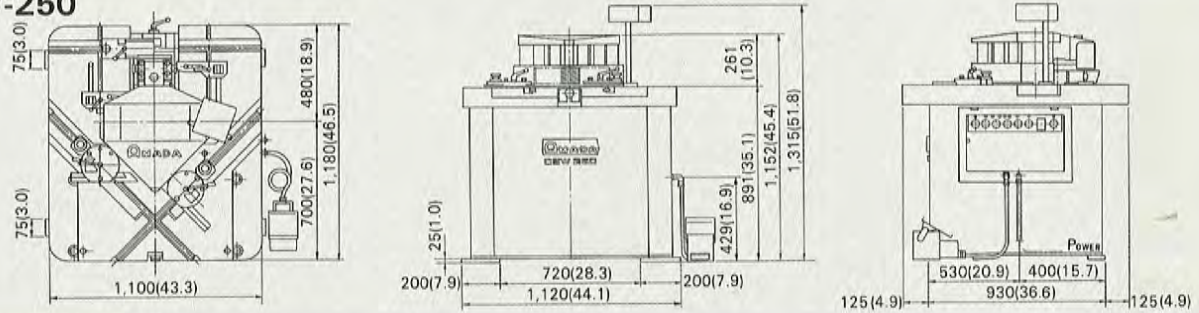
Amada's optional turntable allows the machine to be turned 180° by a foot pedal. Both corner and edge notching can be carried out at the same operator position, saving space.



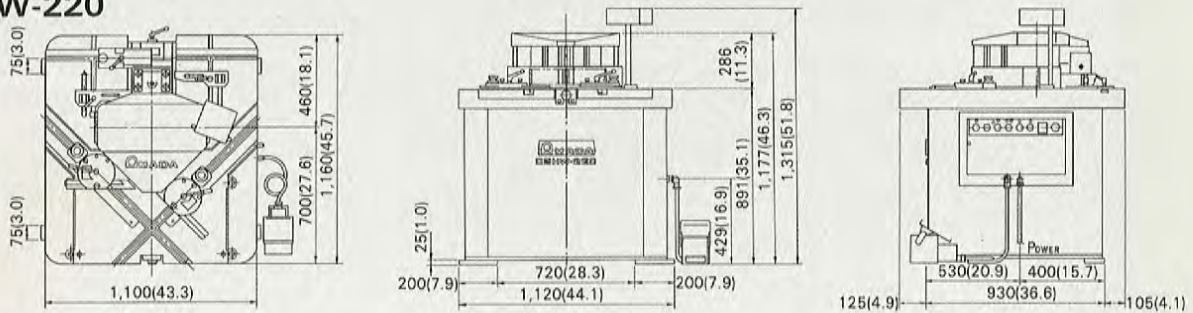
CS-220



CSW-250



CSHW-220



SPECIFICATIONS

| Model | | CS-220 | CSW-250 | CSHW-220 |
|-----------------------------------|--------------------------|----------------------|--|--|
| Max. sheet thickness [mild steel] | mm (in.) | 3.2 (0.125) | 3.2 (0.125) | 6 (0.236) |
| Notching dimensions | mm (in.) | | | |
| | Corner notch | 220×220 (8.66×8.66) | 250×250 (9.84×9.84) | 220×220 (8.66×8.66) |
| | Edge notch(X×Y) | — | 50×150 (1.97×5.91) 100×150 (3.94×5.91) MAX. | 50×100 (1.97×3.94) 100×100 (3.94×3.94) MAX. |
| Stroke length | mm (in.) | | | |
| | Corner notch | 22 (0.87) | 24 (0.94) | 26 (1.02) |
| | Edge notch | — | 24.5 (0.96) | 24 (0.94) |
| Strokes per minute | s.p.m. | | | |
| | Corner notch | 35 (50Hz), 42 (60Hz) | 35 (50Hz), 42 (60Hz) | 34 (50Hz), 40 (60Hz) |
| | Edge notch | — | 34 (50Hz), 40 (60Hz) | 35 (50Hz), 42 (60Hz) |
| Max. tonnage | tons (U.S. tons) | 10 (11) | 10 (11) | 25 (27) |
| Hydraulic pump motor | kW | 2.2 | 2.2 | 3.7 |
| Pump capacity (No load) | 50Hz | 27 (0.95) | 25 (0.88) | 18.5 (0.65) |
| | 60Hz | 32 (1.13) | 30 (1.06) | 22.4 (0.79) |
| Max. pressure | kg/cm ² (psi) | 70 (996) | 70 (996) | 190 (2703) |
| Hydraulic tank capacity | liters(U.S. gal) | 60 (15.9) | 55 (14.5) | 55 (14.5) |
| Weight | kg (lb) | 900 (1985) | 1300 (2870) | 1600 (3530) |

Specifications are subject to change without prior notice.



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