



Versatile Clamps

Tough, versatile and easy-to-use Carver clamps from De-Sta-Co Industries, a Dover Resources Co., Birmingham, MI, come in five designs: T-slot, C-style, edge grip, buttress and bar style. Together, these five design types cover a wide range of possible applications.

The T-slot clamps are made from a patented design that provides quick height adjustment and positive holding. The design applies 100 percent of the screw force onto the workpiece, considerably more than any strap clamp. A wide selection of bases offers clamping heights from zero to 60 in.

The C-style Carver clamps repre-



sent a significant improvement over the ordinary C-clamp. Since they consist of two major parts, frame and moveable jaw, they are much

more rugged than common style C-clamps.

Edge grip low-profile clamps apply horizontal and vertical clamp-

ing force against the workpiece to pull it down onto the worktable and clamp it into position. Designed for use with T-slot tables (or bolted to a plate), they allow maximum cutter access to the workpiece surface.

The buttress-style clamps are designed to secure thin or low-profile workpieces. They feature a self-aligning pivot so that the retaining bolt is always vertical and induces no side forces. Bar-style clamps, made from high-strength steel, are used where a large clamping capacity is required. The jaws may be reversed to provide spreading action, or several jaws may be used on a single bar for fixturing and positive component location and clamping.

For more information on Carver clamps from De-Sta-Co, write no. 354 on your reader service card.

QuickHit tooling is designed for use where machine rates between 850 to 1200 hits per minute are required. The tooling features a modified length consisting of a 0.060 in. shorter canister dimension in combi-

nation with the punch and stripper faces, which are set flush to one another. This combination works together with the machine stroke and ram programming to decrease the cycle time for punching each hole.



High-Speed Punch Tooling

The Ultra QuickHit™ from Mate Precision Tooling, Ramsey, MN, is a tooling option designed for high-speed punching and nibbling operations on Amada Vipros hydraulic turret punch presses.



Adjusting the stripper lead to “flush” with the punch face decreases the total distance the punch travels in its cycle to make a hole. Hit rates are thereby increased while maintaining accuracy and quality.

Designed to operate with standard Ultra system guides and strippers, the canisters will work with all popular punch styles. When punching at normal hit rates (below 850 spm), standard Ultra system spring canisters should be used and adjustments for proper stripper lead should be made. Mate field service representatives are available throughout the U.S. and Canada to assist users in boosting productivity.

For more information on the Ultra QuickHit™ from Mate Precision Tooling, write no. 355 on your reader service card.

Machined Special & Ultra-Precision Die Sets



A brochure from Producto Machine Co. in Bridgeport, CT, illustrates the company's machined ultra-precision die sets, bolsters and press frames manufactured for the metal stamping, plastics industries and OEM fabricators serving a range of industries.

The brochure provides an overview of Producto's facilities and ca-

pabilities in many of the machining, finishing and quality control steps that have kept them at the forefront of the industry since 1928.

The basic features and specifications of Producto Ultra-Precision die sets are included, along with information on implementing electronic data transfer of AutoCAD, CADKEY, DXF and IGES files for fast quotation turnaround.

For a copy of this brochure from Producto Machine Co., write no. 356 on your reader service card. MF