

Company	Products Offered	Product Description
Advanced Fabricating Machinery www.advancedfab.com 603.642.4906	Stierli benders	Bending machines up to 330 tons for bending, cambering, and straightening of beams, flats, and profiles. Available with NC/CNC controls and featuring a slot-free surface for reliability and safety.
	Comac section rolls	Section rolls with three-roll drive and double initial pinch, available with CNC and NC controls. Sizes up to 8 in. x 1 in. angle. Machines available for special applications.
	PlasmaCope 1200/2400	Cutting, coping, and holes in round tube up to 5 in. OD. Easy-to-program CNC control calculates angles and allows nesting of parts.
	Transfluid and Soco Bending machines	Tube and pipe bending for many different applications.
Bertsch, a Division of MegaFab www.bertschrolls.com 800.338.5471	Plate Bending Rolls	Rugged, reliable, heavy-duty plate rolls accurately form metals from gauge through 14 in. thick. Machine lengths from 3 ft to 40 ft. Complete lines of initial-pinch, double-pinch, and four-roll designs.
	Angle Rolls	Unique design offers double-pinch for minimal flats, ease of operator control, and uniform rolling. Vertical or horizontal working position; hydraulic drive; models to 50 horsepower; and 24-in. die diameter.
COMEQ, Inc. www.comeq.com 410.933.8500 	Angle Bending Rolls	Double-pinch-type angle bending rolls. Seven models with two-directional hydraulic guide rolls with capacities to 5" x 5" x 5/8", and 15 models with multi-directional hydraulic guide rolls with capacities to 10" x 10" x 1".
	Plate Bending Rolls	Three-roll and four-roll double-pinch type plate bending rolls. Fully hydraulic with capacities from 16 gauge to 4" thickness and lengths from 2' to 30'. With or without CNC controls.
	Pipe, Tube, and Section Bending Rolls	Angle bending rolls with special rolls and equipment. For rolling angle leg-in and leg-out; stems leg-in, leg-out, and leg-down; flat bars; square bar; round bar; pipe; tube and channels.
	Beam Benders	Fully hydraulic models with section modulus capacity up to 1,000 cubic inches. Capacities to 44" beam and channel, 14" pipe, 16" round bar, 15" square bar, and 24" flat bar.
E.G. Heller's Son, Inc. www.hellerson.com 800.233.0929	Plate Bending Machines	Three- and four-roll double-pinch systems, heavy-duty all-hydraulic plate-bending machines with various controls fitting every type of application.
	Section Bending Machines	Many models to fit customers' requirements exactly. All hydraulic drives with epicyclical sealed transmission boxes. Low maintenance. Horizontal or vertical operation. Various controls and tooling options available with fast deliveries.
	Plate Shears	Hydraulic swing beam shears come equipped with FOPBG with digital readout; shadow light; squaring arm; front sheet support; mar-free hold down pads; and ball transfers on the table for easy flow of material into the shear.
	Press Brakes	Hydraulic conventional down-acting double-cylinder ram with internal motorized depth stops; FOPBG with digital readout; front sheet supports; and choice of European- or American-style tooling as standard features. Die has multiple openings.
Faccin USA www.faccin.com 813.664.8884	Plate Bending Rolls	World leader in the production of heavy-duty bending rolls in three-roll initial-pinch, double-pinch, variable-axis, and four-roll configurations and full FMS systems.
	Wind Tower Rolling Systems	Coupling a plate bending roll with specialized options to optimize tower rolling efficiency and accuracy.
	Section (Angle) Bending Rolls	Heavy-duty hydraulic rolls for the processing of structural shapes, bars, pipe, and tubes. Starting from 4-in. angle capacity.
	Dished End Lines	Multiple machines to form and flange multiple sizes of dished ends for pressure vessels and tanks with a minimum of tooling required. Sizes from 1/4 in. up to 2 in. in thickness.

project case study

Chicago Metal Rolled Products—University of Phoenix Stadium, Glendale, Arizona

CHICAGO METAL ROLLED PRODUCTS CURVED 402 TONS OF TUBING for the roof trusses of the University of Phoenix Stadium in Glendale, Arizona, the new home of the NFL's Arizona Cardinals (a 2007 IDEAS² Award National Winner).

Spanning the width of the field are 256-ft-long lenticular trusses, so-called because both the top and bottom chords are curved, creating a profile that resembles a convex lens. The two retractable roof panels use sixteen such trusses. The company stored 213 pieces of tubing delivered from mills in Chicago, then curved and shipped parts over the course of five months, always meeting the fabricator's schedule.

Early involvement in the project allowed Chicago Metal Rolled Products to offer cost- and time-saving suggestions. For example, using its advanced technology, the company provided 52 ft of distortion-free arc from stock only 54 ft long. With traditional rolling methods, 6 to 10 ft of each tube would be lost to scrap.

According to the project manager and subcontract administration manager, this challenging fabrication fit-up took place with no quality issues in the plant or in the field—a tribute to the teamwork of the roller, fabricator, the erector.

—George F. Wendt, President, Chicago Metal Rolled Products, Chicago



Chicago Metal Rolled Products curved 402 tons of 12" square tubing for the retractable roof of Phoenix Stadium in Glendale, Arizona.