

CINCINNATI

CINCINNATI INCORPORATED

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January 19, 1994

BRANCH OFFICE SALES/SERVICE
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1810G CINCINNATI
Mechanical Shear
Quotation Number MIB94-1015

Dear Mr. Reding:

We are pleased to submit our proposal for a CINCINNATI Mechanical Shear. This unique machine design can process a wide range of material and thicknesses making it perfectly suited to all classes of metal working customer.

Installation of this quality shear will provide the following tangible benefits:

QUICK AND EASY SET-UP

Machine controls are conveniently grouped together at the shear front for easy operation. The power operated backgage with direct reading, counter type dial indicator, graduated in fractions, enables accurate set-ups to be made quickly.

Convenient hand slots in the table and highly visible work area permit rapid material positioning. Dovetail slots enable optional disappearing stops to be rapidly positioned for front gaging.

ACCURATE PARTS PRODUCTION

Precision lead screws are mounted in heavy duty steel frames to maintain precise backgage alignment. Shock absorbing springs further protect position accuracy and compensate for material impact against the gage surface. The backgage is easily set parallel to the knife by micrometer adjusting nuts at the end of each guide.

RANDY KRAEMER BEFORE THE END OF
MAY (1 Available)
Shipped by or on the 30th
BETTY 5/23

Fast forward and reverse buttons speed the backgage into approximate position. Finger tip control of the forward-slow button brings the gage into exact position. The easy-to-read counter type dial displays backgage settings in inches and 64ths.

Fixed, low rake angle ensures accurate part production by reducing the amount of bow, camber and twist introduced into the blank during the shearing process.

Knife adjustment on 12" centers ensures that the proper profile can be given to the knife to compensate for variations in knife thickness due to grinding tolerances.

Tight knife clearances and an exclusive CINCINNATI precision guided, 2° inclined ram stroke produce superior blank edge conditions. Spring counterbalances prevent ram float and constrain ram slides against hardened and ground guides during downward and return stroke.

High pressure, hydraulic holddowns clamp work piece securely to prevent slippage regardless of variations in thickness. This adds to the micrometer accuracy of CINCINNATI shears.

RELIABILITY

All frame members are heavy steel plate and interlocked together without welded joints into a non-stressed structure. Hand scraped, self-aligning bearing shoes and hand scraped bronze slides help guarantee long life and accuracy.

Automatic pressure lubrication system supplies oil to important bearing surfaces and rotating parts to extend machine up time and eliminate need for operator oiling. Automatic lubrication of the backgage screws insures low maintenance and increased wear characteristics.

The hardened steel, single revolution jaw clutch rides on hardened steel surface eliminating the need for maintenance required on systems using friction type materials. This proven design ensures dependable service at low maintenance cost.

Maintaining part accuracy over the life of the shear depends on the reliability of the backgage. Placement of the cross shaft near the ram prevents damage from lift trucks and crane hooks at the rear of the shear. Automatic backlash compensation in the backgage prohibits gage "float", minimizing maintenance while maintaining accuracy.

SAFETY

This shear is designed to meet the construction requirements of ANSI B11.4 and OSHA as evidenced by a compliance tag affixed to every new machine. Safeguarding covers all moving parts and areas of potential hazard. Glare resistant knife and holddown guards offer good vision of the work area while providing optimal safeguarding.

Keylock selector switches prevent unauthorized use and protect workers.

Manuals on machine set-up, operation and maintenance provide operators with details to safely operate and properly maintain the equipment.

CINCINNATI PREFERENTIAL SERVICE

We provide an extensive array of services with each new machine purchase. Please review the attached Preferential Service Agreement.

CINCINNATI PRODUCT WARRANTY

A full year of labor service and five years of part replacements are included at no charge if component failure occurs under warranty. The attached Terms and Conditions provide specific details of the Warranty Policy.

STANDARD EQUIPMENT

Hydraulic holddowns.
Automatic pressure lubrication system for ram guides and backgage screws.
Holddown and knife guards.
Electrically operated, air cylinder jaw clutch with non-repeat and one guarded footswitch (30-40 PSI air supply requirement).
Front controlled, heavy duty, power operated ball bearing backgage with direct reading indicator.
Precision knife straightener with adjustments on 12" centers.
Dovetail and hand slots in massive, one piece steel slab table.

Fractional table scales.
 Scrap chute.
 Paint - computer beige.
 Comprehensive Operation and Maintenance Manuals.
 One (1) Operation, Maintenance and Safety manual, (Red).
 One (1) Operation and Safety manual, (Blue).

One set of CINCINNATI precision shear knives is included from our knife types for your shearing requirements. Refer to CINCINNATI Shear and Shear Knife Capacities Booklet PI-30491 for selection details.

KNIFE TYPE: "A" or "B"

We quote as follows:

One (1) - CINCINNATI Mechanical Shear generally described and illustrated in the enclosed catalog and having the following specifications and equipment.

Model	1810G
Maximum capacity in mild steel	1/4"
Minimum capacity in mild steel	26 ga.
Specific capacity data per Bulletin PI-30491	Attached
Length between housings	10'3"
Depth of throat	4"
Strokes per minute	60
Backgage range	36"
Backgage speed	60 IPM
Frontage range (with optional front supports)	54-1/2"
Holddown force total	8 tons
Number of holddowns	11
Rake angle, taper per foot	1/4"
Electricals	460/3/60
Motor	7-1/2 HP
Approximate shipping weight	16,000#

PRICE (Machine, electricals and knives)\$ 54,990.00

Shipment: Ninety (90) days at present scheduling,
 subject to prior sale.

Terms of Payment: Net 30 days from date of invoice.

SAFETY FEATURES:

If you anticipate having two or more persons working together on your shear, we recommend an operator control for each person.

Additional 3-position footswitch\$ 610.00

OPTIONAL FEATURES:

Extension Squaring Arm for making exact perpendicular cuts in sheets. This option can be fitted to either end of the shear table and includes scales graduated for quick positioning of rough cuts and one heavy duty swinging stop. 10 ft. range from knife edge\$

2,115.00

Two Frontgage support arm(s) including one disappearing stop (each) for manual setting of frontgage positions - \$290.00 ea\$

580.00

~~6'0" Squaring Arm~~
Light Beam Shearing Gage 690⁰⁰
Sheet Supports 5490⁰⁰
230 v 3 ph 60 Hz

30 6 1/4 %
60
90

1/3 ship
1/3 30
1/3 60

3-28-94

Specify Decimal scale over fractional
Price on Decimal Readout over fractional 260⁰⁰
Check on Vista Green Paint