



January 3, 2024

IMIA, LLC

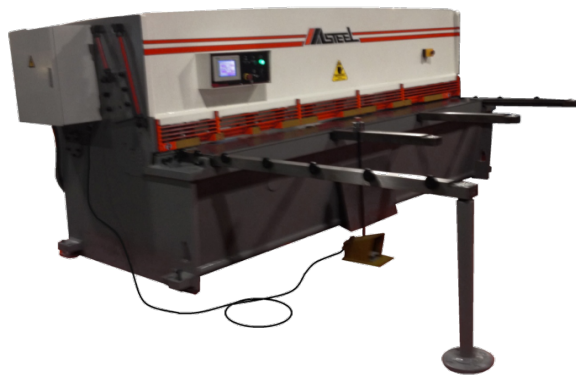
Chesapeake, Virginia, USA

Attention: Jordan Hughson / 757.822.8537 / jhughson@imiallc.com

MASTEEL MSH-10500 CNC HYDRAULIC SWING BEAM SHEAR

Dear Jordan,

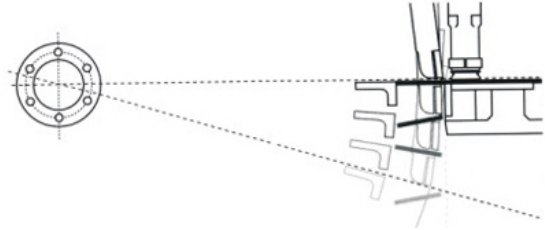
Thank you for the opportunity to quote the **MASTEEL MSH-10500 CNC HYDRAULIC SWING BEAM SHEAR** for your facilities in Chesapeake, Virginia.



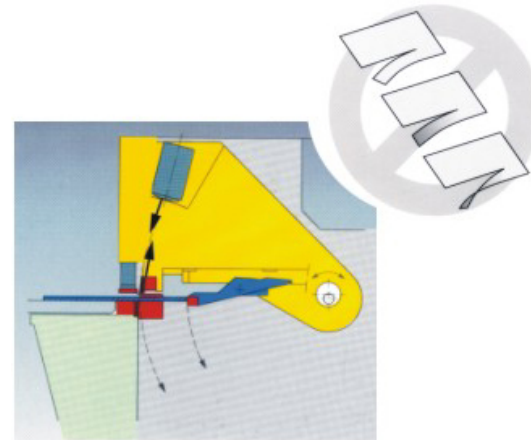
SPECIFICATIONS

maximum mild steel thickness	1/2 "
maximum cutting length	10'6"
throat depth	8"
maximum back gauge travel	36"
maximum front gauge measurement	48"
rake angle	1°30'
motor	25 hp
machine weight	29,500 lbs.
machine width x depth x height	160" x 82" x 84"

accuracy: top blade and back gauge with swing movement always have the cutting perpendicular to the material and bottom blade before swinging away from the bottom blade - without jamming the material between the blades and back gauge - as the top and down blade last longer to ensure quality cutting and less maintenance



reliability: Masteel swing beam shears do not require a relieve angle as the cutting is always perpendicular to the material and bottom blade - with the hydraulic force from the cutting cylinder applying directly against the cutting load – without cutting load to change the blade clearance from the blade deflection or the blade mechanism which allows Masteel shears to cut strips



quality and heavy duty structure: mono-block type welded frame and blade beam are optimized by computer-aided calculation to guarantee the maximum rigidity - with heavy duty bearings located on the cutting lever to support the blade beam's rotational movement - avoiding cutting load transferred along the blade beam's rotational radius to the supporting bearings to ensure constant accurate blade clearance



quality components and structure design:

- North American made hydraulic & electrical system
- standard Siemens single axis CNC control
- swing beam design for consistent precise cutting quality and low maintenance
- simple hydraulic and electric system for easy service
- low rake cutting angle for minimum material distortion: 1°30' on ¼", 3/8", ½" shears
- heavy duty design, rigid stress relieved box construction



STANDARD CONTROL FEATURES

- 36" Siemens multi-step CNC back gauge with ± 0.002 " accuracy
- 60 position pre-set back gauge memory for shearing heavy material or production process with no need to lay-out holding material before adjusting back gauge
- one-step go-to position control on back gauge
- auto-swing up back gauge at full travel
- programmable cutting width control
- programmable cutting stroke control
- easy operating control console:
 - prompting instruction for easy operation and service
 - running status display on control console
 - manual/auto mode
 - back gauge position
 - cutting width
 - number of cutting strokes
 - blade set-up message at power-on to prompt operator

movable pedestal with foot control switch and emergency stop push button



Siemens compact control system:

- Siemens compact control system integrates CNC back gauge, hydraulic and electronic control in one
- simple and less control components ensure years of quality performance



OPERATING FUNCTION

- rapid precision blade clearance adjustment
- steady cutting speed and rapid back stroke for high efficient performance
- multi control mode:
 - push button / foot switch operation
 - single cut / continue cuts mode
 - multi back gauge position and multi cuts automatic control mode
- auto clamping pressure control on hold down feet auto adjustable to various material conditions
- complete hydraulic / electric overload protection avoids operating fault

STANDARD EQUIPMENT

- two (2) squaring arms with stainless steel rules and disappearing stops:
 - a 7' squaring arm on the left side to square long sheet material
 - a 4' squaring arm on the right side to provide even knife service life on both ends
- front gauge with adjustable disappearing stops and stainless steel rules:
 - 4' front support arms
- ball transfers in the table for easy handling of heavy sheet metal
- ball transfers on the front support arms and the front gauge bar and the right squaring arm
- shadow light and line for positioning a scribed line
- cut-off material sliding tray for easy cut material collection
- safety guard

independent hold-downs: automatically adjust hold-down pressure for heavier cutting and less for delicate thin material

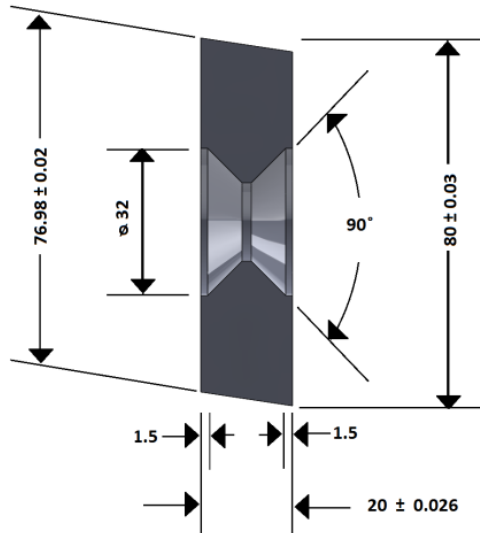
blade gap adjustment: precision variable position quick blade gap adjustment ensures proper blade clearance for various material thickness and properties to achieve best-quality cuts

36" CNC back gauge

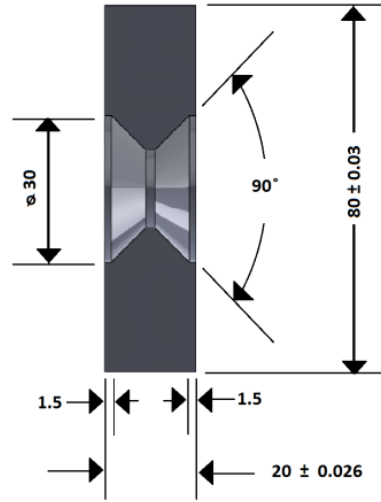
- slide tray
- heavy duty structure
- precision lead screw with integrated backlash compensation
- back gauge bat swings up at full travel to allow long material to go through



MASTEEL SHEAR BLADE INCLUDED



Top Blade MSBT-800



Bottom Blade MSBB-800

PRICING

MASTEEL MSH-10250 CNC HYDRAULIC SWING BEAM SHEAR

- rear sheet support
- high speed hydraulic package to increase speed by 1.6 (from 12 to 19 full strokes per minute)
- CNC in-feed table
- 39" back gauge
- auto blade gap adjustment

\$63,100 US

\$10,760 US

\$2,880 US

\$18,730 US

\$1,730 US

\$2,880 US



TERMS AND CONDITIONS

The pricing

The shown pricing is in US Dollars F.O.B. Masteel Oakville warehouse. Applicable taxes & duties are extra. CSA approval is included in the pricing.

The payment terms

30% with order, 60% before pick-up, 10% 30 days after delivery.

Warranty

Twelve (12) months.

Delivery

To be confirmed at the time of purchase.

Customer's responsibility

Provide a single concrete slab level foundation per the machine foundation requirements, power to the machine by a certified electrician and hydraulic oil for the machine.

Masteel's responsibility

Assemble / level the machine on the customer's shop floor, complete the machine installation and accuracy test and one day of basic machine operator training.

Please note that this quote is subject to change without notice.

Sincerely,

MASTEEL AMERICA CORPORATION

Ron Nater

647.270.4434 / ron@masteels.com / www.ronnater.ca

