



| VERTICAL | CNC TURNING | SWING DIA. OVER | | | HOLE THRU SPINDLE | MAX TURN LENGTH |
|------------|------------------------------------|-----------------|-------|-------|-------------------|-----------------|
| | | GAP DIA | WAYS | SLIDE | | |
| VERTICAL | TOSHIBA SHIBAURA TUE150S MILL-TURN | 78" | 78" | - | - | 60" |
| | TOSHIBA SHIBAURA TUE15 | 71" | 60" | - | - | 52" |
| | PHOENIX DYN-AU-56 | 70" | 56" | - | - | 56" |
| | OKUMA VR-60 | 27" | 24" | - | - | 25" |
| | ALPHA HARRISON 7000 XS | 51" | 41" | 27.9" | 6.1" | 157" |
| HORIZONTAL | HANKOOK 7NB | - | 29.5" | 18.9" | 7.0" | 118" |
| | CLAUSING CNC 6000 XS | 41" | 30" | 22" | 4.09" | 60" |
| | CLAUSING CNC 5000 XS | 37.8" | 26" | 18.1" | 4.09" | 120" |
| | (2) CLAUSING CNC 4000 XS | 32" | 21" | 14.5" | 4" | 80" |
| | ALPHA HARRISON 1550 | 32" | 21" | 14.6" | 3.10" | 80" |
| | DN DOOSAN 2500 XLY | 21" | 13" | - | 3.0" | 50" |
| | NAKAMORA SL 3 | 24" | 16" | - | 2.55" | 40" |
| | NAKAMORA SL 1 | 16" | 13" | - | 1.62" | 20" |
| | PROTOTRAK 1845 | - | 18" | 9" | 2.36" | 45" |
| | HARDINGE CENTROID | - | 10" | 6.5" | 1.12" | 21" |

| HORIZONTAL MANUAL | | | | | | |
|-------------------|------------------------|---|-----|------|-------|-----|
| | MORISIEKI MR1000 | - | 21" | 11" | 2.06" | 40" |
| | MORISIEKI MS 850 | - | 17" | 9" | 2.06" | 26" |
| | (2) HARDINGE TOOL ROOM | - | 10" | 6.5" | 1.12" | 21" |

| HORIZONTAL | CNC MILLING | | X | Y | Z |
|------------|-------------|---|-------|-------|-------|
| | | TOSHIBA SHIBAURA BTD 110 BORING MILL (LOAD CAPACITY 7 TONS) | 78" | 59" | 57" |
| | | TOSHIBA SHIBAURA BTD 200 QF BORING MILL (PALLET) | 59" | 39" | 27" |
| | | GROB G350 HORIZONTAL MILL 5 AXIS | 23.6" | 30.3" | 31.6" |

| VERTICAL | | | X | Y | Z |
|----------|---------------------|-------------------------|-----|-----|-----|
| | | MATSUURA MC2000 | 80" | 32" | 30" |
| | | MATSUURA MC1500 | 60" | 30" | 31" |
| | | YCM 158 NTVB | 60" | 30" | 27" |
| | | OKUMA MC560V HIGH SPEED | 41" | 22" | 18" |
| | | OKUMA 4020 | 40" | 20" | 18" |
| | | OKUMA MB46V HIGH SPEED | 22" | 18" | 18" |
| | (5) ACURITE 3D MILL | 30" | 12" | 16" | |

| WIRE EDM | X | Y | Z |
|------------------|-----|-----|-----|
| (1) CHMER 640 HS | 23" | 15" | 11" |

| SURFACE GRINDERS | X | Y | HEIGHT |
|----------------------|-------|------------|--------|
| OKAMOTO 1224 DXB | 24" | 12" | 13.7" |
| BROWN & SHARP | 18" | 8" | 14" |
| CYLINDRICAL GRINDERS | OD | LENGTH | |
| KELLENBERGER | 9" | 40" | |
| KELLENBERGER | 20" | 72" | |
| BLANCHARD GRINDERS | SWING | MAX HEIGHT | |
| 42 BLANCHARD | 48" | 24" | |

| COORDINATE MEASURING MACHINES | | | |
|-------------------------------|-------------------|-------|--------------------------------------|
| ZEISS PRISMO 10 CMM | 48" | 72" | 40" |
| ZEISS CONTURA G2 | 27.5" | 39.3" | 23.6" |
| T-SCAN HAWK PRO | PORTABLE-INFINITE | | HANDHELD LASER SCANNING DEVICE |
| ATOS-Q 12M | 170mm x 130mm | | 12 Million PPS LASER SCANNING DEVICE |

OTHER SERVICES

CERTIFIED WELDING: MIG, TIG, STELLITE AND BRONZE OVERLAY

SUNNENHONING .06-20.0" dia.x 60" LONG

CRANE CAPACITY TO 7.5 TONS

PICK UP AND DELIVERY SERVICE UP TO 6 TONS

HYDRAULIC PRESS 150 TON CAPACITY

STRESS RELIEVE OVEN 18"Wx12"Hx41"L

SANDBLASTING CABINET TO 22"X28"X42"

LARGE INVENTORY OF MATERIAL ON HAND

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