

# Machining Capabilities & Size Capacity

Precision Tool & Die Co., Inc.

## 1. CNC HORIZONTAL BORING MILLS

- A. 40T108 Lucas Boring Mill
  - a. 8" Spindle
  - b. 48" Spindle Travel
  - c. 96" Vertical Travel
  - d. 60" x 134" Table Dimension
  - e. 120" Table Cross Travel
  - f. 72" Saddle Travel
  - g. 7320 Allen Bradley Control  
4 AXIS with 84 K Memory
- B. 30T118 Lucas Boring Mill
  - a. 5" Spindle
  - b. 36" Spindle Travel
  - c. 96" Vertical Travel
  - d. 60"x134" Table Dimension
  - e. 120" Table Cross Travel
  - f. 96" Saddle Travel
  - g. 7320 Allen Bradley Control  
4 AXIS with 84 K Memory
- C. 30T96 Lucas Boring Mill
  - a. 5" Spindle
  - b. 36" Spindle Travel
  - c. 72" Vertical Travel
  - d. 48"x110" Table Dimension
  - e. 108" Table Cross Travel
  - f. 72" Saddle Travel
  - g. 7320 Allen Bradley Control  
4 AXIS with 84K Memory

## 2. CNC VERTICAL BORING MILL

- A. R.W. 20 VMC
  - a. 25" Table Travel
  - b. 20" Saddle Travel
  - c. 20" Vertical Travel
  - d. 8000 RPM Spindle
  - e. 1000 # Capacity
- B. VM30XP VMC
  - a. 60" Table Travel
  - b. 30" Saddle Travel
  - c. 24" Vertical Travel
  - d. 8000 RPM Spindle
  - e. 5000 # Capacity
  - f. Chip Blaster System
  - g. #50 Taper Spindle

## 3. MANUAL HORIZONTAL BORING MILLS

- A. 542B120 Lucas Boring Mill
  - a. 5" Spindle
  - b. 36" Spindle Travel
  - c. 96" Vertical Travel
  - d. 60"x134" Table Dimension
  - e. 120" Table Cross Travel
  - f. 96" Saddle Travel
  - g. 3 Axis DRO
- B. 542B120 Lucas Boring Mill
  - a. 5" Spindle
  - b. 36" Spindle Travel
  - c. 96" Vertical Travel
  - d. 60"x135" Table Dimension
  - e. 120" Table Cross Travel
  - f. 144" Saddle Travel
  - g. 3 Axis Anilam DRO
- C. 542B120 Lucas Boring Mill
  - a. 5" Spindle
  - b. 36" Spindle Travel
  - c. 72" Vertical Travel
  - d. 48"x110" Table Dimension
  - e. 96" Table Cross Travel
  - f. 72" Saddle Travel
  - g. 3 Axis Anilam DRO

## 4. JIG BORING MILL

- A. "SIP" Hydroptic 7A-71
  - a. 55" Table Travel
  - b. 40" Transverse Head Travel
  - c. 71" Table Top to Spindle
  - d. 63" Between Uprights
  - e. 31" Dia. Optical Rotary Table
  - f. 3 Axis Anilam DRO
  - g. Sip tooling

## 5. VERTICAL BORING MILLS

- A. King 72"
  - a. 76" Maximum Swing
  - b. 62" Under Rail
  - c. 4 Axis Anilam DRO
- B. Bullard 36"

## 6. SURFACE GRINDERS

- A. Thompson Surface Grinder  
12" x 18" x 40" Capacity
- B. Reid Surface Grinder  
6" x 18" x 18" Working Surface
- C. Brown and Sharpe 618 Micromaster
  - a. Visual Grind
  - b. 6" x 18" x 18" Working Surface

## 7. CYLINDRICAL GRINDERS

- A. Cincinnati Cylindrical Grinder  
10" x 48"
- B. Cincinnati Cylindrical Grinder  
12" x 48"
- C. Brown and Sharpe No. 13
- D. Brown and Sharpe No. 10

## 8. MILLING MACHINES

- A. Bridgeport  
12" x 42" Manual/Power Feed  
2 Axis Dro & Rheostat Variable

## 9. LATHES

- A. Monarch  
16" x 54" Capacity
- B. LeBlond 36" x 240"  
with Hydro-Trace

## 10. MISCELLANEOUS

- Various Tool Grinders
- 3 - 10 Ton Overhead Cranes
- 22 Various Size Rotary Tables  
from 30" to 60"
- Complete Inspection / Level 2  
NDT - Magnetic Particle & Liquid  
Dye Penetrant / Level 2  
Granite Surface Plates  
Lucas 30" RAMA  
High Speed End Milling Head  
Various Spindle Supports  
Gun Drilling  
Spade Drilling  
Assembly  
Packaging & Shipping

Featuring: **TEK SOFT CAD/CAM SYSTEM**