FZE researches the latest technology and features in equipment prior to purchase. With the rapid advancement in machine technology, the company avoids “overbuying” equipment that will be technologically obsolete in a few short years. In addition, availability of service personnel and replacement parts is considered prior to purchase. FZE avoids purchasing equipment from unproven manufacturers and distributors that may not have the parts or personnel to service the machines when necessary. Machine up-time and match to job specific requirements are the driving factors. The company will occasionally procure newer used equipment and has had some excellent success after a thorough review of the equipment and maintenance records.

Following is a summary listing of key equipment:

**Vertical Machining Centers**
- **OKK 820V**
  4-Axis Controls, 35 HP
  50 Taper – 18” Rotary 4th axis
  32” x 76” Table
- **Daewoo ACE-V500**
  20” x 40” Table, 20 HP
  8,000 RPM Spindle
- **Daewoo DVC-500**
  Twin Pallet – High Speed Index Table
  20 HP, Two 34” x 22” Pallet Tables
- **(6) Haas VF3**
  4 Axis Controls
  12” Rotary 4th axis
  15 HP, 48” x 18” Table
- **Haas MDC-500**
  Twin Pallet – High Speed Index Table
  10 HP, Two 18” x 13” Tables
- **Haas VM-3**
  40 X 26 X 25
  4 axis machining
  15 HP

**Bar Feed Lathes & Swiss T/C**
- **Daewoo Puma 300 MSB**
  3.0” Bar Capacity
  Sub-spindle w/Live Tooling
  4’ Magazine Bar Feeder
- **Daewoo Puma 230 MSB**
  1 11/16” Bar Capacity
  Sub-spindle w/Live Tooling
  12’ Magazine Bar Feeder

**Horizontal Machining Centers**
- **Okuma MA-60 HB**
  28” x 24” x 24” Dual Pallet
  Up to 12,000 rpm
  40 HP - 50 taper
- **OKK HM60**
  30” x 28” x 28” Dual Pallet
  Up to 10,000 rpm
  40 HP - 50 taper
- **OKK HM600**
  32” x 30” x 30” Dual Pallet
  Up to 12,000 rpm
  40 HP - 50 taper
- **OKK HM80**
  40” x 34” x 34” Dual Pallet
  Up to 13,000 RPM
  40 HP - 50 Taper

**Inspection Equipment**
- **(2) Sheffield Discovery CMM’s**
  D-28 & D12
- 14” J&L Optical Comparator
- Granite Tables W/Ht. Gages
- Many, Many Gages

**Nakamura WT-150**
Multi-axis - multi-spindle
Upper & lower turrets-up to 24 tools per 4’ bar feeder

**CNC Lathes**
**Daewoo Puma 12S**
12” Chuck, 2 Axis, 30” CC

**(2) Haas SL30 & SL20**
12” Chuck, 2 Axis, 30” CC

**Hwacheon HI-EC031**
10” Chuck, 4 Axis, 24” CC