

Entirely New Plant In 1997, Featuring: (30) CNC TURNING CENTERS • GRINDERS • AIDA 400-TON PRESS



1997
AIDA MODEL K1-400, 400-TON KNUCKLE JOINT PRESS



SURFACE COMBUSTION INC MODEL 48-48
UNI-DROP FURNACE



(1 OF 23) MIYANO MODEL LG-3L 2 AXIS
CNC SLANT BED LATHES



TAKAMATSU MODEL X-10 CNC TURNING CENTERS



GARDNER NTC MODEL 2DG-2N CNC THRU FEED
CENTERLESS GRINDER



SINTO MODEL EVF-06RDA
VIBRATORY PARTS FINISHER



NISSEI SEIKI HEATED MODEL NS0202L PARTS WASHER



1997

NIPPEI TOYAMA CORP. NTC MODEL CLG-2BN CNC THRU FEED
CENTERLESS GRINDER



NIHON GAUGE CO MODEL L17-16 SHIM
SORTING STATION



(1 OF 2) HIKARI CO MODEL APM-1 3 AXIS
PACKING MACHINES



HITACHI AMANO DUST COLLECTORS



NIPPEI TOYAMA CORP (NTC) MODEL CLG-3BN CNC
TWIN GRIP CENTERLESS THROUGH FEED GRINDER

- KNUCKLE JOINT PRESS**
- 1 - AIDA MODEL K1-400, 400-TON KNUCKLE JOINT PRESS, S/N 10304-1149 (1997), Stroke 7" (180 mm), Strokes Per Minute 30-50, Die Height 17.7" (450 mm), Adjustment 2" (50 mm), Slide Area 27.5" X 19.7" (700 X 500 mm), Bed Area 27.5" X 23.6" (700 X 600 mm), Bed Knockout Stroke 3.54" (90 mm), Die Pin Lifter Stroke 3.54" (90 mm), Slide Knockout Stroke 2" (50 mm), Main Motor 49.5 HP (37 Kw)

- CNC THROUGH FEED DOUBLE DISC GRINDER**
- 1 - GARDNER NTC MODEL 2DG-2N CNC THRU FEED CENTERLESS GRINDER, S/N N4E97014 (1997), Grinding Capacity 5.118" X 1.968", Grinding Wheel Dia. 23" x 2.55" thick, Motorized Wheel Dresser, Infeed 2" x 12" Dual Belt, CNC Through Feed Grinder Dual Surface Grinding, Fanuc Powermate Controls, Pulcon U-1000A Thickness Gauge, Loader and Feeder, Oil Filtration System, 2- 25 HP (18.5 KW) Drive Motors on Spindles

- CNC CENTERLESS GRINDERS**
- 1 - NIPPEI TOYAMA CORP. NTC MODEL CLG-2BN CNC THRU FEED CENTERLESS GRINDER, S/N N1E96519 (1997), 20 HP Main Drive Motor, Grinding Wheel 24" OD X 9.84" W X 12" ID, Regulating Wheel 13" OD X 9.84" W X 8" ID, Surface Speed 3000 SMPM Maximum. Grindable Diameter 4.724" Maximum, Grindable Width 7.874" Maximum, Wheel Dresser, Pneumatic Cylinder Inline Feeder, Oil Filtration System Exit

- 1 - NIPPEI TOYAMA CORP. NTC MODEL CLG2BII CNC THRU FEED CENTERLESS GRINDER, S/N N1D96521 (1996), Main Drive Motor 20 HP, Vecta Unit #Op200 Central Motor Control, 24" OD X 8" W X 12" ID Grinding Wheel, 1250 To 1550 Rpm Grinding Wheel Speeds, 12" OD X 8" W X 5" ID Regulating Wheel, Regulating Wheel Speeds 15 To 300 Rpm, Hydraulic Wheel Dresser, Coolant & Filtration System Oil

- 1 - NIPPEI TOYAMA CORP (NTC) MODEL CLG-3BN CNC CENTERLESS THROUGH FEED GRINDER, TWIN GRIP, S/N N1E96514 (1997), Grindable Outer Diameter .0059" To 4.724", Grindable Width 11.811" Maximum, 24" OD X 12" W X 12" ID Grinding Wheel, Grinding Wheel Speed 1250 Rpm, 13" OD X 12" W X 8" ID Regulating Wheel, 10 To 250 RPM Regulating Wheel Speed, Tilt Angle For Grinding Wheel -2 To 5 Degrees, Swivel Angle Of The Regulating Wheel Base +30 Degrees, Wheel Dresser, Oil Filtration System

- 1 - NIPPEI TOYAMA MODEL CLG2BII CNC CENTERLESS GRINDER, S/N N1D96520 (1996), Main Drive Motor 20 HP, Vecta Unit #OP200 Central Motor Control, 24" OD X 8" W X 12" ID Grinding Wheel, 1250 To 1550 RPM Grinding Wheel Speeds, 12" OD X 8" W X 5" ID Regulating Wheel, Regulating Wheel Speeds 15 To 300 Rpm, Hydraulic Wheel Dresser, Coolant & Filtration System Oil

(23) CNC LATHES

- 23 - MIYANO MODEL LG-3L 2 AXIS CNC SLANT BED LATHES (1996 - 1997), S/Ns 97LG3063 (1997), 97LG3065 (1997), 96LG3025 (1996), 96LG3026 (1996), 97LG3066 (1997), 97LG3068 (1997), 96LG3028 (1996), 97LG-3060 (1997), 96LG-3029 (1996), 97LG3064 (1997), 96LG3030 (1996), 96LF3031 (1996), 96LG3032 (1996), 96LG3033 (1996), 96LG3034 (1996), 96LG3035 (1996), 96LG3036 (1996), 96LG3037 (1996), 97LG3057 (1997), 97LG3058 (1997), 97LG3061 (1997), 97LG3062 (1997), 97LG3067 (1997), Fanuc 21T control, 3.5" Ultra Precision Air Chuck, 35mm Collet Chuck, 50 mm Max. Turning Length, Main Spindle Speed: 80 - 6,000 RPM Infinitely Variable, Slide Stroke: 180MM X/Z Axis, Rapid Traverse Rate: 12,000 (X/Z Axis) MM/Min, # of Tools: 5 maximum, Tool Hole Diameter: 20 MM, Coolant System, Centralized Lube System

(7) TAKAMATSU TURNING CENTERS

- 7 - TAKAMATSU MODEL X-10 CNC TURNING CENTERS, S/Ns 750631, 750893, 751283, 751284, 751285, 751286, 751288 (1995 to 1997), CNC Control: Fanuc & Takam, Turning Diameter: 3.150" x 1.968", X-Axis Stroke: 4.724", Z-Axis Stroke: 9.055", Spindle Nose: A2-5, Spindle thru Hole: 1.181" Max. Spindle Speed: 3,500 RPM, Spindle Motor: 3.7HP, Turret: 8 Position

DROP BOTTOM FURNACE

- 1 - SURFACE COMBUSTION INC MODEL 48-48 UNI-DROP FURNACE, S/N CC-12289, 1200 Degree Fahrenheit Maximum Temperature, 500 SCFH Maximum Fuel Demand, 100 BTU/HR Fuel BTU, 3 PSIG Fuel Pressure, 48" X 48" Load Size

SHIM SORTING STATION

- 1 - NIHON GAUGE CO MODEL L17-16 SHIM SORTING STATION, (1997), 10 Stations, Various Thickness Calibration, Jeon-1 Model Jig Sensor, Laser Jet Ink Marking System, Willet X-Sun-X Model 3940

PACKING MACHINES

- 2 - HIKARI CO MODEL APM-1 3 AXIS PACKING MACHINES, (1996), DC Servo Motor 20 W, 2,000 Steps And 1,000 Positions Memory Capacity, Pneumatic Operation, 23" X 14-1/2" Tray Size, Type A Super Select Model 1A Controller Hand Held Teaching Box Thk, Piece Counter, Finished Tray Counter, Pieces Per Tray Counter, Supplied Piece Counter

CLINCHING MACHINES

- 6 - HIKARI MODEL ACM-2 10 STATION CLINCHING MACHINES, S/Ns ACM-105, ACM-106, ACM-201, (3) N/A (1997), Matec 5 Ton Press, 100 KG/Cm2 Maximum Pressure, 150 mm Stroke, 150 mm Open Height, Ram Speed Pressing 131 To 49 mm/Sec, Ram Speed Return 71 mm/Sec, 10 Station Indexable 21" Rotary Table, Pulcon Model U2500A NTS Gauging System And 4700 Control Panel, Digital Indicators, Elevator With Parts Clamping Attachment, Vibratory Bowl Feeder, Rubber Belt Conveyor With Speed Control, Exit Conveyor With Elevator And Parts Clamping Attachment & Horizontal Cross Over With Speed Control

DEMAGNETIZING UNITS

- 3 - DENSHIJIKI INDUSTRY CO MODEL PT-202020-C DE MAGNETIZATION UNITS, (1996), Hole Size 8" X 8", 48" X 2" Belt Conveyor, S-Con Speed Control, Vibratory Bowl Feeder

BLAST CLEANING UNIT

- 1 - SINTO MODEL MY-MT-178, 6-STATION BLAST CLEANER, (1996), 48" Rotary Table, 6 Stations On Table, 2 Air Blast Stations, Dust Collector, Media Recovery System, Vibratory Shaker

VIBRATORY PARTS FINISHER

- 1 - SINTO MODEL EVF-06RDA VIBRATORY PARTS FINISHER, S/N WBX13051 (1997), Mitsubishi Line Cooler, Control Panel With Cycle Timers, Parts & Media Loading System, Tilting Wash Tub, Oscillating Screen For Part & Media Separation, Dust Collector, Noise Reduction Enclosure

VIBRATING BARREL

- 1 - SINTO BRATOR LTD MODEL VF-P VIBRATING BARREL, (1997) S/N ASU17020

THERMAL SPRAY MACINES

- 5 - SULZER METCO CO THERMAL SPRAY MACHINES, (1997), Cabinet Enclosure, Spray & Clean Areas, 4 Position Rotary Fixtures, Metco Model 4rg Spray Gun, Metco Model 4rpe-200 Amp Arc Power Supply, 2 Carbide Insert Turning Tools Cleaning Area, Rubber Belt Conveyor

PARTS WASHERS

- 1 - NISSEI SEIKI HEATED MODEL NS0202L PARTS WASHER, S/N 1628 (1997), 84" X 2" Rubber Belt Conveyor, Hot Water Wash, Mistresa Blower, Vibratory Bowl Feeder, Dual Exit Chutes
- 4 - IN LINE PARTS WASHERS, HOT WATER WASH CAPABILITY, 2" X 42" Chain Conveyor, Variable Speed with Control Panel

CLEANING MACHINES

- 4 - FUJI MODEL ALW CLEANING MACHINES, (1997)

OILERS / ANTI RUST UNITS

- 2 - INFILTRATION UNIT / PARTS OILER MODEL ADI-2, (1996), 21" X 3" Wide Chain Conveyor, Control Panel, Cart Mounted
- 1 - ANTI RUST OILER SPRAY TYPE UNIT, 2 STATIONS, Flow Smf-02 Controls Unit, 36" X 2" Wide Rubber Belt Conveyor, SB-3 Peacock Signal Boxes

OIL FILTRATION MACHINE

- 1 - FUJI OOZX INC MODEL ART-1 ANTI RUST MACHINE

ROLL BAR TEST STATION

- 3 - FUJI MODEL AOI-2 OIL FILTRATION UNIT
- 2 - FUJI MODEL RBT-1 ROLL BAR TEST STATION, (1996), Control Panel, Spindle Speed Indicator, Oil Temperature Indictor, Cart Mounted

DUST COLLECTOR

- 3 - HITACHI AMANO DUST COLLECTORS, (1996), MODEL WRT-5096 X 3 SETS, 288 Filter Cloth Elements, 15 Hp Blower Motor, Controls