



# Facilities List

Since 1955, San-tron, Inc. has been a manufacturer of RF coaxial connectors, adapters, cable assemblies, and precision turned components. Our corporate headquarters are located in Ipswich, MA consisting of over 30,000 square feet of manufacturing and assembly space with an additional 15,000 sqft facility in Suzhou, China. San-Tron, Inc. is proud to be ISO9100 & AS9100C Aerospace Quality System certified. In addition to the conventional equipment listed below, we have designed and built many special purpose semi-automatic and automatic machines and fixtures to manufacture and assemble our products.

The following is a general listing of our current machinery and equipment.

Any questions, please contact: sales@santron.com or (978) 356-1585

## PRODUCTION TURNING EQUIPMENT

### Swiss – CNC

1 Tornos Deco	32mm
3 Tornos Deco 2000	10mm
3 Tornos ST26	.890"
2 B12 Citizen CNC	.500"
2 Star SA-16 CNC	.625"
6 Index ABC Lathes	60mm
2 SNK CNC Gang Tool	1.00"
1 Hardinge DSMA	1.0625"
16 Automatic Bar Loaders	

### Brown & Sharpe – Automatic Screw Machines

1 #2 Ultramatics	1.625"
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### Wade - Hand Screw Machines

1 Model # 98	2.250"
1 Model # 94	1.0625"

## MILLING & SLOTTING

- 1 1 - 76 12 - station rotary transfer machine
- 1 TRAX Programmable Vertical Milling Machine
- 2 Bridgeport Milling machine -- equipped with variable speed and feed on oversize table
- 13 Rouse Millers with ground and keyed tables and Kalamazoo indexing heads
- 2 Barker, specially designed, high production, hydraulic pneumatic millers
- 2 Special Pneumatic Millers
- 1 Special Mill & C' Bore (pneumatic) machines
- Many special milling & slotting machines used in manufacturing coaxial connectors
- 1 High Production Automatic Rotary Studding Machine equipped with counterboring and milling attachments
- 2 MB - 3 4 - station Imoberdorfs - precision rotary transfer machines
- 3 MB - 5 6 - station Imoberdorfs - precision rotary transfer machines
- 1 MB - 7 8 - station Imoberdorf - precision rotary transfer machine
- 1 HAAS 5/c NC programmable indexing head
- 2 Air - operated collet clamping and indexing head  
Volma Model JK - 5 capacity .500"
- 1 Air - operated collet clamping and indexing head  
Volma Model JK - 6 capacity 32mm

## TESTING & INSPECTION EQUIPMENT

- 1 Agilent Technologies N5230A PNA-L Network Analyzer 10MHz-40GHz
- 1 Agilent Technologies 8720ES PNA-L Network Analyzer 50MHz-20GHz
- 1 HyPotPlusII AC/DC Withstanding Voltage Tester
- 4 PIM Analyzers
- 2 Custom Automated PIM Testers
- 3 Mantis Vision Microscope Systems
- 1 Hewlett Packard 85052A 3.5mm Calibration Kit
- Solidworks
- AutoCAD
- 1 B&S #246 Ultra Micrometer Comparator
- 3 Deltronic Optical Comparators
- 8 Microscopes with various power lenses
- 1 Granite high precision surface plate
- 2 sets of Master Gage Blocks with +/- 50 millionths accuracy
- 3 Sets of Etalon "Super" micrometers
- 1 Set of surface finishing gages
- Numerous Height Gages
- Solidworks
- Numerous micrometers, calipers, dial indicators
- An extensive inventory of thread plug gages and ring gages (Ring gages also backed up by set plugs)
- Numerous sets of pin gages
- Numerous RF Connector Calibration Kits
- 1 Agilent Technologies E5017C Network Analyzer 8.5GHz
- 1 Digital Force Gauge DPS-220R
- 1 Tronifer Strip Mach. CS-5400

## GRINDING

- 2 Delta Carbide Grinders with Diamond Wheels
- 1 Clausing Surface Grinder
- 3 Tool Grinders
- 1 Agathon Grinder & attachments

## DEBURRING & CLEANING

- 1 Bowden Aqueous Washing System
- 2 Sweco Vibro Finishing Energy Mill
- 2 Drum Tumblers
- 3 Abrasive Tumblers
- 1 Vibratory Tumbler
- 1 Ultrasonic Cleaner
- 2 Buffing & Polishing Machines
- 1 Sanding Machine
- 1 Rockwell Belt & Disc Sander
- 1 DoAll Filing Machine
- 2 Di - Profiler Filing Devices
- 1 Vibratory Tumbling Media Separator
- 1 Landa Water Evaporation System

## DRILLING & TAPPING

- 7 Drill Presses (bench models)
- 2 High Speed Dumore Drill Presses
- 4 Rockwell High Speed Drill Presses
- Numerous Tapping Heads -Includes Tapmatic,procunier
- 1 Craftsmen Floor Model Drill Press
- 1 Commander Multiple Tapping Unit – mounted on Delta Rockwell Variable Drill
- 1 Burgmaster Drill & Tapping Machine
- 1 Special Cross Drill Device

## SOLDERING, WELDING & HEAT TREATING

- 2 Induction Soldering Machines
- 1 Thermotron Thermal Chamber
- 2 Blue-M Heat Treating Oven
- 1 Heat Treating Furnace
- 1 Propane Torch
- 1 Acetylene Torch Outfit
- 1 Youngberg Furnace

## ASSEMBLY

- 1 Winton CNC Semi Rigid Cable Bender
- 1 Custom Semi Rigid Manual Bender (range .047-.250)
- 2 Custom Cable Cutting Machines
- 2 Scheuniger CNC Cable Strippers
- 1 Scheuniger CNC Cable Micro-Stripper
- 2 Pneumatic Testers for Cable Assembly (PIM & Network Analyzer)
- 1 Automated Conveyor HeatShrink Oven (Cable Assmebly production)
- 2 DMC Pneumatic Cable Crimpers
- 1 Sumitomo Shrink Tube Marking Machine
- 2 Automatic Rotary Assembly & Marking Machine
- 1 Rotary Staking Machine
- 2 Drill Presses
- 14 Pneumatic Staking Machines
- 24 Arbor Presses
- 2 Matthews Marking Machines
- 1 AutoBagger Machines
- 3 Continuous Band Sealers
- 8 Rotary High Speed Staking Machines
- 3 Metal Rolling Machines
- 1 Capacitor Discharge Welder
- 1 Electro Punch
- 7 Toledo Counting Scales
- 3 Electronic Counting Scales
- 6 Resistance Soldering Units
- 3 Induction Heaters
- 1 SMA Tool Kit Huburtsuhner P/N 742-0-0-70
- 1 SMA Tool kit TYCO

## MISC FACTORY EQUIPMENT

- 1 Screw Air Compressor (30 HP)
- 2 Compressors (15 HP)
- 2 South Bend Lathes (10" swing)
- 2 Air Dryers 100 CFM, 150 CFM, & 150 CFM

## MATERIAL HANDLING

- 1 Clark TM25 Electric Fork Lift (5000 lb. Cap.)
- 1 Clark TW25B (2500 lb. Cap.)
- 1 Pallet Lift (1000 lb. Cap.)
- 3 Pallet Jacks
- Miscellaneous Hand Trucks

