MISSION STATMENT:

At FH Machinery, our mission is to supply the right new and used fastening & forming equipment to meet your company's individual needs. By providing personalized attention and superior service, we enable manufacturers to modernize, increase production and reduce costs.

COMPANY HISTORY:

In 1986, FH Machinery Inc. was founded by Harry R. Glaeser, who has more than 15 years hands-on experience in cold heading and thread rolling. The company has grown to include an office/warehouse just outside of Philadelphia, PA with over 30,000 square feet of space

Your Single Source for Productivity Solutions. As a full-service distributor for the fastener industry, FH Machinery offers an extensive line of new as well as used machinery, in addition to providing tooling, tool design, product development and rebuildng/remanufacturing.

At FH Machinery, our focus is on the customer. To help ensure you have the right solution, we provide personal attention from the first call to delivery, and beyond. We want your solution to meet your needs, and we're willing to work with you to ensure that it does

NEW & USED EQUIPMENT:

FH Machinery brings the world to your doorstep offering a wide range of new and used equipment from major manufacturers anywhere in the world. Through our global network of suppliers, we have the ability to offer customers in the U.S. and around the world the very best new and used equipment available anywhere.

As a quality used equipment distributor, FH Machinery is always in the market for good used equipment. We purchase single pieces or even entire facilities. In fact, over the past decade, we have acquired a significant inventory of Fastener and Cold Forming manufacturing equipment through the purchase of complete facilities.

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ALL HILIGHTED REF#'S HAVE PICTURES AVAILABLE ONOUR WEB SITE
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SERVING THE INDUSTRY SINCE 1986

Nut Formers

1/8" SAKAMURA MODEL NP-410 4 DIE NUT FORMER, 6mm Max. Cutoff Diameter, 7mm DKO Stroke, 350 PPM, 3mm (1/8") Nut Size, 6mm Across Flat, REF.#3990

5/16" NATIONAL S-2 NUT FORMER, 9/16" Cutoff, 5/16" Diameter, 3/4" K.O., REF.#3728

3/8" NATIONAL S-2 NUT FORMER, 3/8" Max. Nut Size, 11/16" Max. Cutoff Diameter, 11/16" Max. Cutoff Length, 3/4" Max. Die K.O., REF.#3729

1/2" NATIONAL S-2 NUT FORMER, 7/8" Die K.O, ¾" Max. Cutoff Length, REF.#3229

Slotters: Head & Shank

WATERBURY #00 DROP SLOTTER, Set for Upside Down Slotting, REF.#**1614**

WARREN MODEL WS-1000VB SLOTTER, 1/4" - 4" Blank, 600 PPM, #6 thru 1/4", 7 Avail, REF.**2492/3285/3302/3511/3512**/3869/**3947**

WARREN MODEL WS-500 SLOTTER, Blank Diameter up thru #6, Screw Lengths up to 1-1/4", 1000 PPM, REF.#**3513**

ROY SLOTTER, 2 Available, REF.#**3706/3707**

BETZ-FASTENER ENGINEERS MODEL SS-476 SHANK SLOTTER, 480V, REF.#**3391**

WATERBURY #1 DROP SLOTTER, W/Vibe Hopper, 460V, REF.#**3969**

Four Slides & Multi Slides

BAIRD 00 FOURSLIDES, 10000 SERIES, 4 COMPLETE WITH OVERHEADS - ALL WITH POSITIVE GRIP FEED, 220V, 3 Phase, .040 Basic Wire Diameter, 4-1/4 Standard Feed Length, 100 - 500 Strokes per Minute, 13 Available, REF.#**3776/3777/3778/3779/3780/3781/3782/3783/3784/3785/3786/3790/3791**

BAIRD 00 FOUR SLIDE, REF.#**3787**

US MULTI SLIDE , REF.#3788

BAIRD #5 FOUR SLIDE, 5 HP, Vari Speed, Split Cams, 220V, 3 Phase, 5/16" Max. Diameter, REF.#**3934**

Come visit our warehouse with over 30,000 square feet of machinery - We are located less than one hour from the Philadelphia Airport - we'll pick you up!!

Cold Headers

1/16" #0 HASSALL SSOD COLD HEADER, .020 - .062" Diameter, .100 – 1-1/16" Long, REF.#**3199**

1/16" NATIONAL DSSD COLD HEADER, 500 PPM, 1" Max. C.O., 3/4" Max. Shank Length, Knife Cutoff, REF.#**3702**

1/8" WATERBURY FARREL MODEL #0 DSSD TOGGLE COLD HEADER, 3/4" Max. Shank Length, 150 PPM, 3 Available, REF.#**2443/2444/2451**

1/8" NATIONAL STANDARD STROKE, 3/4" Max. Shank Length, 2 Available, REF.#**1604**/**2358**

1/8" GREENBAT DSOD COLD HEADER, 2" Max. Shank , REF.#**3090**

1/8" NAKASHIMADA MODEL H-10A DSSD COLD HEADER, 20mm Max. Shank Length, 30mm Max. Cutoff, 320 PPM, 2 Available,
REF.#**3385/3387**

1/8" ASAHI OKUMA MODEL AOH-3X30 COLD HEADER, 160 PPM, 3mm Max. Cutoff Diameter, 1-1/4" Max. Shank, REF.#3717

1/8" AYASE MODEL AS-OH COLD HEADER, 16mm Max. Shank Length, 24mm Max. Cutoff Length, 250 PPM, 2 Available, REF.#**3865/3956**

1/8" NATIONAL MODEL HS25 COLD HEADER, 3/4" Max. Shank Length, 1-1/4" Max. Cutoff, 1/8" Diameter, 400 PPM, W/PKO & Bushing, REF.#3983

3/16" NATIONAL HI-SPEED COLD HEADER, 1-1/4" Max. Shank Length, 2" Max. Cutoff, 350 PPM, 4 Available - 1 W/PKO, 1 W/Sound Enclosure, REF.#**3369**/**3303**/3425/**3596**

3/16" NATIONAL STANDARD STROKE DSSD COLD HEADER, Open Knife Machine with PKO, REF.#**2741**

3/16" NATIONAL LONG STROKE *SINGLE STROKE* COLD HEADER, 2-1/4" Max. Shank Length, 3" C.O., 175 PPM, REF.#/**3665**

3/16" NATIONAL LONG STROKE DSSD COLD HEADER, 2-1/4" Max. Shank Length, 3" Cutoff, 175 PPM, 2 Available, REF.#**3380/2942**

3/16" WATERBURY HI-PRO COLD HEADER, 1" Max. Shank, 1-1/2" Cutoff, 225 PPM, 2 Available, REF.#**3432/3893**

3/16" WATERBURY/WATERBURY DSSD LONG STROKE COLD HEADER, Relieving KO, 2-1/2" Max. Shank Length, 175 PPM, PKO, 3-1/4" CO, REF.#**3902**

3/16" WATERBURY HI-PRO LONG STROKE COLD HEADER, 1-1/2" Max. Shank Length, 2" Max. Cutoff Length, 225 PPM, 3Available—1 Rebuilt, REF.#**3597/3599/3477**

3/16" HARTFORD MODEL 3-300 COLD HEADER, 2-1/4" Max. Shank Length, 300 PPM, 3" Max. Cutoff, **REBUILT,** 2 Avail, REF.#3346/3347

3/16" NATIONAL *SINGLE STROKE* HI-SPEED COLD HEADER, Rebuilt in 1994, 1-3/16" Max. Shank Length, REF.#**3474**

3/16" NAKASHIMADA MODEL NH-15B COLD HEADER, 1-1/2" Max. Shank Length, 2" Max. Cutoff Length, 270 PPM, REF.#4004

3/16" NAKASHIMADA MODEL NH-15A COLD HEADER, 1-3/16" Max. Shank Length, 1-3/4" Max. Cutoff, 300 PPM, 3 Available, REF.#4000/4001/4002

NATIONAL MODEL 51AH SSSD BALL HEADER, REF.#**3765**

1/4" NATIONAL HIGH SPEED COLD HEADER, W/PKO & Split Punch Block, 1-3/8" Max. Length Under Head, 2-3/8" Max. Blank Length, 300 PPM, REF.#**3978**

1/4" ASAHI OKUMA MODEL AOL-6 DSSD COLD HEADER, 3" Max. Shank Length, 3-1/2" Max. Cutoff, 180 PPM, With PKO, 2 Available, REF.#**3216/3802**

1/4" NATIONAL *SINGLE STROKE* LONG STROKE COLD HEADER, 3" Max. Shank Length, REF.#**3081**

1/4" NATIONAL HIGH SPEED COLD HEADER, 1-1/2" Max. Shank, 300 PPM, REF.#**3949**

1/4" HEUER 1 DIE 2 BLOW COLD HEADER, 2 Avail, REF.#**2662**/**2914**

1/4" WATERBURY/WATERBURY LONG STROKE COLD HEADER, 3" Max. Shank Length, 3-3/4" Max. Shank Length, 225 PPM, REF.#**3656**

1/4" WATERBURY #2 TOGGLE COLD HEADER, 1-3/4" Max. Shank Length, 2-3/8" Max. Cutoff, 100 PPM, REF.#3989

5/16" HARTFORD MODEL 5-250 COLD HEADER, 2" Max. Shank, 3-1/4" C.O., 250 PPM, 2 Avail., REF.#**3760/3767**

5/16" WATERBURY FARREL NO. 11 *OPEN DIE* HEADER, 4 Available 1 With Pressure Lube System, REF.#**1628/2222/2908/2909**

5/16" NATIONAL H.S. DSSD COLD HEADER, 1-1/2" Max. Shank Length, 250 PPM, 2 Available, REF.#**2910**/3761

3/8" WATERBURY #22 COLD HEADER, 3" Max. Shank Length, 4-1/4" Max. Cutoff , REF.#**3390**

3/8" WATERBURY DSOD COLD HEADER, 1" - 6" Shank Length, 7-3/4" Max.Cutoff Length, 80 PPM, 3/8" Diameter, 440V, With full telescoping sound enclosure, REF.#**3831**

3/8" NAKASHIMADA MODEL H30A COLD HEADER, Rebuilt, PKO in 2nd, 5" Cutoff, 4" Max. Shank, 110 PPM, REF.#**3932**

3/8" MANVILLE #3 OPEN DIE COLD HEADER, 6" Max. Shank Length, 220V, REF.#**3951**

3/8" GREENBAT DSOD COLD HEADER, 10" Max. Shank Length, REF.#**3974**

1/2" WATERBURY/WATERBURY DSSD LONG STROKE COLD HEADER, 6" Max. Shank Length, 8" Cutoff, 1/2" Diameter, PKO, 80 PPM, REF.#**3752**

1/2" WATERBURY #33 DSSD COLD HEADER, 6-1/4" Max. Cutoff Length, 75 PPM, 4" Max. Shank Length, REF.#3933

1/2" NATIONAL LONG STROKE COLD HEADER, 80 PPM, 5" Max. Shank Length, W/Die Relief, 240V, REF.#**3867**

5/8" WATERBURY #44 COLD HEADER, REF.#**2730**

Grinders

JONES & SHIPMAN OD GRINDER, REF.#**3339**

CLAUSING MODEL 4020 10 X 15 GRINDER, Power Feed, With Coolant and Dresser, REF.#**3472**

WALKER TURNER PEDESTAL GRINDER, 10" Wheel, REF.#**3591**

K.O. LEE MODEL BA 960 TOOL GRINDER, 440V, REF.#**3658**

CINCINNATI CENTERLESS GRINDER, 4-3/4" Dia. Work, Infeed Work Rest, 20" Grinding Wheel, 12" Regulating Wheel, Wheel Dressers, REF.#**3900**

Tubular Rivet Headers

1/8" WATERBURY #0 2 DIE 4 BLOW - TOOLED FOR BLIND RIVETS (THRU HOLE), 2 With AC Vari Drive, Pressurized Lube & Split Punch Block, 3 Available, REF.#**3265/3306/3307**

1/8" WATERBURY #0 2 DIE 4 BLOW TUBULAR RIVET HEADER, 5/8" Max. Shank Length, 100 PPM, REF.#**3431**

1/8" WATERBURY SDE TUBULAR RIVET HEADER, 5/8" Max. Shank Length, 150 PPM, 1" Max. Cutoff Length, Knife Cutoff, 4 Available, REF.#**3906/3907/3908/3909**

3/16" WATERBURY #10 HI-PRO TOOLED TOMAKE BLIND RIVETS, 9/16" Max.Shank Length, REF.#**2600**

3/16" WATERBURY #1 2 DIE 4 BLOW TUBULAR RIVET HEADER, 1" Max. Shank Length, 1-1/2" Max. Cutoff Length, 100 PPM, 2 Available, REF.#**3372/3373**

3/16" NATIONAL 2 DIE TUBULAR RIVET HEADER, 3/16" – 3/4" Shank Length, 3/16" Diameter, 140 PPM, REF.#**3423**

1/4" WATERBURY #2 2 DIE 4 BLOW TUBULAR RIVET HEADER, 90 PPM, 1-1/2" Max. Shank Length, 2-3/8" Max. Cutoff Length, With Vacuum System for slug removal , Bijur Pressurized Lube System, Separate Lubrication for Tool Oil, Rebuilt, REF.#**3640**

3/16" WATERBURY FARREL NO. 10 HI-PRO TUBULAR RIVET HEADER, 1" Max.Shank Length, 1-1/2" Max. Cutoff Length, 200 PPM, 2 Available, REF.#**3829/3830**

3/8" KOSONO MODEL KHB-3 TUBULAR RIVET HEADER, 2.75" Max. Cutoff, 60 PPM, 2.250" Max. Shank Length, REF.#**3653**

TSUKIBOSHI MODEL MT-300, REF.#**3948**

Multi Die & Progressives

1/8" WATERBURY #0 2 DIE 4 BLOW – TOOLED FOR BLIND RIVETS (THRU HOLE), 2 With AC Vari Drive, Pressurized Lube & Split Punch Block, 3 Available, REF.#**3265/3306/3307**

1/8" MATSUMOTO MODEL YMP-530 5 DIE HEADER, 1" Max. Shank Length, 200 PPM, 30mm Cutoff, REF.#**3695**

3/16" ASAHI OKUMA MODEL AOT-4B COLD HEADER, 400 PPM, 5/16" – 1-3/8" Max. Cutoff, ¼ " – 1" Max. Shank Length, 2 Available, REF.#**3500/3859**

3/16" NATIONAL 3 DIE COLD HEADER, With Trim, 1-1/2" Max. Shank Length, 2" Max. Cutoff Length, REF.#**3970**

5MM SAKAMURA MODEL MPF-605 6 DIE, With Bushing Cutoff, PKO, 250 PPM, 28mm Max. Shank Length, 440V, 2-30mm Cutoff Length, REF.#3690

1/4" NATIONAL MODEL 34 2 DIE 3 BLOW HEADER, W/IAC Enclosure, ¼" Diameter, 2-1/2" Cutoff, 2-1/4" Max. Shank Length, With Bushing Cutoff & PKO, REF.#**3704**

1/4" ASAHI OKUMA MODEL AOT-6B COLD HEADER, 1-3/8" Max. Shank Length, 1-3/4" Max. Cutoff, PKO, Bushing Cutoff, REF.#**3499**

1/4" SAKAMURA MODEL S-320 3 DIE HEADER, 2" Max. Shank Length, 3" Max. Cutoff Length, W/Independent Finger Timing, Conveyor, Some Extra Spare Parts, Bushing Cutoff, PKO, REF.#**3704**

1/4" NAKASHIMADA MODEL PF-630 2 DIE 3 BLOW COLD HEADER, 1-3/16" Max. Shank Length, 1/4" Diameter, 170 PPM, 2" Max. Cutoff Length, REF.#**3703**

1/4" NATIONAL MODEL 34 2 DIE 3 BLOW HEADER, 2-1/2" Max. Cutoff, 200 PPM, 2-1/4" Max. Shank Length, With PKO, Relieving KO, 10 Roll 2 Plane Straightener, REF.#**3898**

1/4" ASAHI OKUMA MODEL AOT-6XL 2D2B LONG STROKE, 3" Max. Shank Length, 220 PPM, 3-3/4" Max. Cutoff, W/Long Blank Wiper, REF.#**3757**

1/4" WATERBURY 2 DIE 4 BLOW COLD HEADER, 1-3/4" Max. Shank Length, 90 PPM, 2-3/8" Max. Cutoff Length, Split Punch Block, Vari Speed Drive, Bijur Pressuriaed Lube, 220/440V, Rebuilt, REF.#3985

5/16" WATERBURY 45 RAYCARL, 2-1/2" Max. Shank Length, 150 PPM, 2-1/2" Max. Cutoff Length , 2 Available, REF.#**3589/1248**

3/8" NATIONAL MODEL 56 2 DIE 3 BLOW HEADER, 100 PPM, 2-1/2" Max. Shank Length, With TKO, Die Relief & Trim, REF.#**3899**

1/2" WATERBURY 4 DIE BMU, 5" Max. Shank Length, 5-1/4" Max. Cutoff Length, PKO, 85 PPM, REF.#**2563**

1/2" HATEBUR MODEL BKA-2 COLD HEADER, 15-102mm Shank Length, 150 PPM, 16-125mm Cutoff Length, REF.#4003

Parts Formers

5/16" WATERBURY #256 5 DIE PARTS FORMER, 1-1/4" Max. Shank Length, 175 PPM, REF.#**3319**

Miscellaneous

SEMS 515 C UNIT, W/13" Dial, REF.#**3222**

ELOX MODEL HRP104 SINKER EDM, 20" X 40" Tank, REF.#**3290**

WARDWELL MODEL 57T SAW SHARPENER, REF.#**3337**

KH HUPPERT COMPANY ELECTRIC TOOLROOM FURNACE, TYPE ST, 208V, 8KW, REF.#3650

MAGNETIC CONVEYOR LOADERS, 3 - 4 Cubic Foot Hopper, 8' Discharge, 8" Wide, REF.#**3743**

LIPE MODEL 181 AML BAR FEEDER, 1-1/2" X 12', 12' Capacity, REF.#**3807**

CONVEYOR, 2" Wide Hinged Metal Belt, Not Cleats, 4' L, Flat, REF.#3877

LIVONIA MAGNETIC CONVEYOR MODEL C-14, 6" Overall Length, 3' Infeed, 5' Discharge, Currently on 12' High Legs, REF.#3971

CONVEYOR, GOOSENECK, 36" L x 8" W x 42" Discharge, REF.#3880

CEA WELDER MODEL SRT-10, 3/8" Diameter, REF.#3915

AMERICAN STEEL DEREELER MODEL 60, 2500# Capacity , REF.#**3897**

SNOW PROGRESSIVE WELDER MODEL 601-ES-30, 440V, 75 KVA, Water Cooled, REF#**3966**

LORS TECNA MODEL 4622, ROCKER ARM SPOT WELDER, 18" Throat, 440V, 50 KVA, 60 HZ, REF.#**3952**

SNOW ROCKER WELDER, 440V, 75 KVA, Water Cooled, REF.#**3963**

MISCELLANEOUS VIBE BOWLS

Parts Washers & Finishers

BARRETT MODEL 402 CENTRIFUGE, REF.#**1879**

WARREN MODEL WW-500 MINI WASHER, 25 Gallon, 220V, Vari-Speed, REF.# **3311**

ALMCO VIBRATORY FINISHER, One 12" x 42" - One 8" x 36", 440V, No Ramps, REF.#**3677**

JENSEN 15" MODEL LJ SERIES 3 STAGE PARTS WASHER, WASH/RINSE/DRY, 70 Gallon Wash Tank 40 Gallon Rinse Tank, 15" Stainless Steel Drum, Electric Tank & Dryer Heaters, 460V, 3 Phase, REF.#3817

MAYFRAN CENTRIFUGE, 230V, REF.#**3887**

FJC 4 STAGE PARTS WASHER, 480V, Electric, rEF.#3958

Trimmers

1/4" WATERBURY #1 BOLT HEAD TRIMMER, 2" Max. Blank Length, 130 PPM, 4 Available, REF.#**3273/3855/3856/3857**

5/16" HILGELAND BOLT HEAD TRIMMER MODEL ME 2V, 3" Max. Blank Length, 200 PPM, Set for Vibe Bowl, 7/8" Max. Length Extruding, REF.#**3673**

SACMA ESA-1 TRIMMER, REF.#**2897**

1/2" WATERBURY #3 BOLT HEAD TRIMMER, 6" Max. Shank Length, 80 PPM, REF.#**2881**

Upsetters

ACME MODEL XN HOT UPSETTER, With Air Clutch & American Induction Heater, REF.#**2402**

ACME 1-1/2" HOT UPSETTER, REF.#**3182**

Thread Rollers

#000 HARTFORD HUMMER THREAD ROLLER, 1" Max. Blank Length, 9/16" Max. Thread Length, Up to #5 Dia, 300 - 1000 PPM, REF.#**3648**

#00 AYASE SEKI MODEL AS003HD FLAT DIE INCLINE THREAD ROLLER, 25mm Max. Thread Length, 0.8 – 3.0mm Diameter, 250/500 PPM, 2 Available, REF.#**3173**/3868

#00 WATERBURY HEAVY FRAME THREAD ROLLER, 4Available, 2 W/Roto Vane Hoppers, 2 W/Vibe Hoppers, REF.#**2898/3205/3724/3725**

#00 E.W. MENN MODEL GW-23 THREAD ROLLER, 1-3mm Dia, Max. 20mm Shank, 250– 1000 PPM, Max. 20mm Profile Length, REF.#3716

#00 WARREN MODEL WT-500 THREAD ROLLER, Up to 1-1/4" Blank Length, Dia to #6-32, 1100 PPM, 1-1/8" Max. Thread, REF.#**3398**

#0 HARTFORD MODEL 0-400 THREAD ROLLER, 3" Max. Blank, 400 PPM, 10 Available, REF.#**2569/2571**/2605/3824/**3845/2780/3917/3918**/3919/3982

#0 HARTFORD MODEL 0-500 THREAD ROLLER, 3" Max. Blank Length, 3/16" Diameter, 5 Avail– 1 W/Vibe, REF.#**3330/3331/3399/3478/3520**

#0 ROBERTSON HARTFORD MODEL 0-400THREAD ROLLER, REF.#**2780**

#0 HARTFORD MODEL 190 THREAD ROLLER, Up to 1-3/4" Blank 480V, #0 thru #10 Diameter, 175 PPM, 1/8" -1-1/2" Thread Length, Set for Vibe, 3 Available, REF.#**3910/3911/3912**

#0 WATERBURY MEDIUM FRAME THREAD ROLLER, W/Lift Blade Hopper, 2 Available, REF.#2430/**2447**

#0 WATERBURY FARREL HEAVY FRAME THREAD ROLLER, 1-1/2" Max. Thread Length, 5/32" Max. Thread Diameter, 175 PPM, 3 Available, 1 W/Vibe, REF.#**2626/2789/3942**

#0 CHUN ZU MODEL RM-6 THREAD ROLLER, Rebuilt in '91, REF.#3381

#0 HIGASHEIDA THREAD ROLLER, REF.#**3853**

#1015 SACMA MODEL RU-1 THREAD ROLLER, #2 - 1/4" Dia, 3" Max. Blank Length, 3" Max. Thread Length, 400 PPM, 3" Die Pocket,
W/Vibe Hopper, REF.#**3457**

#1015 SASPI MODEL 6V-1 HIGH SPEED FLAT DIE THREAD ROLLER, 2.5 - 6mm Max. Thread Diameter, 40mm Max. Thread Length, 60mm Max. Shank Length, 40mm Distance above diameter, 240 - 600 PPM, Set for Vibe, With Coolant Pump, REF.#3914

#1015 NATIONAL MODEL 4-600 THREAD ROLLER, 200 - 600 PPM, #2 thru 1/4" Screw Dia., 2" Max. Thread Length, 2" Max. Blank Length, W/Vibe Hoppers, 4 Available , REF.#**3448/3451/3452/3763**

#1015 HARTFORD MODEL 4-600 THREAD ROLLER, #2 - 1/4" Dia, 200 - 600 PPM, 2" Thread Length, 3" Blank Length, 2 Available, With Vibe Hoppers, REF.#**3449/3450**

#10 WATERBURY MEDIUM FRAME THREAD ROLLER, 2" Blank Length, 150 PPM, 2 Available, Set for Vibe, REF.#2431/**3768**

#10 HARTFORD MODEL 312 THREAD ROLLER, 2 Available, 2-1/2" Max. Blank Length, 1/8" - 2-1/2" Thread Length, 150 PPM, #6 thru 5/16", REF.#**3149/3197**

#10 HARTFORD MODEL 10-400 THREAD ROLLER, 1 W/Vibe Hopper, REF.#**3635**

#10-400 HARTFORD TANISAKA THREAD ROLLER, 4" Blank Length, #6 thru 3/8", 400 PPM, 3" Thread Length, W/Vibe, REF.#3816

#10 WATERBURY HEAVY FRAME, 2" Max. Blank Length, 1/4" Diameter, 150 PPM, 2" Max. Thread Length, W/Vibe Hopper, 480V, 3Avail, REF.#**3502/3764/3904**

#10 HARTFORD MODEL 10-300 THREAD ROLLER, #6 thru 5/16" Diameter, 300 PPM, 1/8" thru 3" Thread Length, Up to 4" Blank, W/Vibe, 2 Available, REF.#**3844/3960**

#20 WATERBURY LIGHT FRAME THREAD ROLLER, 3" Blank Length, 75 PPM, REF.#**3026**

#20 WATERBURY LIGHT FRAME HAND FEED THREAD ROLLER, 3/8" Diameter, 60 PPM, REF.#3977/**3770**

#30 WATERBURY VERTICAL THREAD ROLLER, 1/2" Maximum Diameter, 4" Maximum Thread Length, 60 PPM, REF.#**2821**

#30 WATERBURY LIGHT FRAME THREAD ROLLER, W/Vibe, ½" Diameter, 80 PPM, 4" Thread Length, 4-1/8" Max. Blank Length, REF.#**3976**

#30 WATERBURY PICK & PLACE THREAD ROLLER, With 8" Die Pocket, REF.#2940

#40 MANVILLE MODEL 5B THREAD ROLLER, 5/8" Diameter, 60 PPM, 4" Max. Thread Length, REF.#**3486**

#40 WATERBURY MEDIUM FRAME HAND FEED THREAD ROLLER, 4-1/2" Blank Length, 5/8" Diameter, 50 PPM, 4-1/2" Max. Thread, REF.#**3745**

#50 WATERBURY HAND FEED HEAVY FRAME THREAD ROLLER, 3/4" Diameter, 5" Max. Blank Length, 5" Max. Thread Length, 60 PPM, REF.#**3751**

#60 WATERBURY HAND FEED HEAVY FRAME THREAD ROLLER, 5" Max. Blank Length, 1' Diameter, 5" Thread Length, 30 PPM, REF.#**3937**

#70 SAKAMURA INCLINE THREAD ROLLER, 50 PPM, 6-1/8" Die Pocket, W/Air Clutch, Collant Tray & Pump & Warren Loader
REF.#**3775**

Cylindrical
2 Die Thread Rollers

TSUGAMI TWO ROLL THREADER MODEL T-ROL, REF.#**1690**

KINEFAC MODEL MC-50F 2 DIE CLYLINDRICAL THREAD ROLLER, 4mm – 70mm, 50T Rolling Pressure, 2" Spindle Diameter, 7" Max. Die Diameter, With Coolant Tank, REF.#**3998**

KINEFAC MODEL MC-5-F 2 DIE CYLINDRICAL THREAD ROLLER, 1" Diameter, REF.#**3164**

Rotary Thread Rollers

#10 WATERBURY ROTARY THREAD ROLLER, With Roto Vane Hopper, 3 Available, REF.#**2437/1300/3943**

PRUTTON MODEL VB150 THREAD ROLLER, 3" Max. Length, 1000 PPM, REF.#**2474**

PRUTTON MODEL 75A-VB THREAD ROLLER, W/Vibe Bowl, #4 - 5/16" Diameter, 2-1/2" Max. Blank Length, 480 PPM, REF.#**2588**

ROLLMAX MODEL 5NF ROTARY PLANETARY THREAD ROLLER, 9" Dia Dies, up to 1500 PPM, 3" Thread Length, W/Vibe Bowl, REF.#3920

REED MODEL 200-VB PLANETARY THREAD ROLLER, Thread Length up to 3", 1/4" – 3/4" Diameter, 500 PPM, REF.#**3925**

Drillers – Shavers & Tappers

ECONOMY MODEL 3600 LS SHAVER, 3 Available, One set for Vibe & W/AC Vari Drive, REF.#**3464/3466**

SNOW MODEL DR-1 DRILLER, REF.#**3642**

SNOW MODEL NT-3 TAPPER, REF.#**3236**

SNOW MODEL NT-2 TAPPER, REF.#**3377**

SNOW MODEL 2SPHDO1 DUAL SPINDLE OPPOSED DRILLERS, With Vibe Hoppers, 3Avail, REF.#**3811/3812**/3814

SNOW MODEL NT-C TAPPER, W/Vibe Hoppers, 220V, 2 Available, REF.#**3818/3819**

SNOW MODEL NT-4 TAPPERS, 2-1/2" Blank Length, 5/16" - 5/8" Diameter, 2000 PPM, 4 Available, REF.#**3846/3847/3848/3849/3939**

"ALLEN" DUAL SPINDLE TRIMMERS/SHAVERS, REF.#**3773**

NUTAP MODEL MAS20nV, With Auto Hopper & Magnetic Chip Separator, REF.#3747

NUTAP MODEL MAS-20, REF.#3748

NUTAP MODEL MAS-20N, REF.#3749

Heaters

NORLING MODEL C230S INCLINE RESISTANCE WIRE HEATER, .080-.325" Wire Size, 10 KVA, Slider Controls, REF.#**3548**

NORLING MODEL 1980 WIRE HEATER, REF.#3699

Lathes

HARDINGE MODEL DV-59 LATHE, W/Turret, REF.#**3018**

HARDINGE MODEL DV-59 LATHE, REF.#3984

WARNER & SWASEY MODEL 1330 TURRET LATHE, REF.#**2273**

GISHOLT THREADING LATHE, 440V, REF.#**2857**

OKUMA LATHE, 18" x 50" , 4 Jaw Chuck, REF.#**3334**

Nail Headers

WAFIOS MODEL N-4 NAIL HEADER, REF.#3923

WAFIOS MODEL S-140 NAIL HEADER, .122—.181 Wire Diameter, .512—5.9" Nail Length, 260 PPM, REF.#**3924**

QUINYING MODEL Z94-2.8 NAIL MACHINE, 12 - 17 Gauge, 1/2" - 2" Length, REF.#**1246**

WAFIOS MODEL S-110 NAIL MACHINE, REF #**1624**

TANISAKA MODEL MTG-C NAIL HEADER, 10 Gauge, 3-1/4" Length, REF.#**2606**

VITARI MODEL V-17 NAIL MACHINE, 18 –3.4MM Wire Gauge, 20-75mm Length, 550 PPM, REF.#**3843**

WAFIOS MODEL N-75, 10-75mm Shank, 700 PPM, 1.8 – 3.1mm, REF.**#3936**

WAFIOS MODEL MSD-500 CUTTER GRINDER, REF.#**3950**

GLADER #3 NAIL HEADER, No. 4 – No. 10, Guage, ½" - 3" Length, 225 PPM, 10 HP, REF.#3981

Heat Treat Equipment

HOT PACK ANNEALING OVEN MODEL 1302, 230V, 7-5 AMP, 35—280° C, 20" W x 17" D x 20" H, REF.#**3668**

KH HUBBERT COMPANY ELECTRICAL TOOL ROOM FURNACE TYPE ST, Type 208V, 8 KW, REF.#3650

Pointers

ECONOMY MODEL 4600 BOLT POINTING MACHINE, 3/4" Max. Bolt Diameter, 3/4" - 6" min/max shank Length, 90 PPM, With Lift Blade, REF.#**3376**

HARTFORD MODEL 8-400 PINCH POINTER, 1/2" - 4" BlankLength, 1/4" - 1/2" Diameter, 400 PPM, REF.#**2937**

HARTFORD MODEL 5-700 PINCH POINTER, 5/16" Max. Diameter, 2-1/2" Max. Length, 700 PPM, 5 Available, , 1 W/Vibe, 2 W/Roto Vane Hopper & 1 With Set for Vibe , REF.#3384/**2936/3300/3727**/**3762/3888**

WATERBURY PINCH POINTERS, 2 Available, REF.#**1659/2512**

3/8" HARTFORD MODEL #2 FORGEMATIC, 4" Length, #2 thru 3/8" Diameter, 1/2" thru 4" Blank, 600 PPM, With Roto Vane Hopper, REF.#**3301**

Presses

DENNISON 6 TON MULTI PRESS, REF.#**2390**

DENNISON 35 TON MULTI PRESS, REF.#**2389**

Wire Drawing Machines

FASTENER ENGINEERS MODEL DTHA-2080-28 WIRE DRAWER, 28" Capstan, REF.# 3836

FASTENER ENGINEERS MODEL DTH-0710260-24, 24" Capstan, , REF.#3891

FASTENER ENGINEERS MODEL DH-230-180-24 WIRE DRAWER, 24" Capstan, W/Torque Converter, REF.#3975

FASTENER ENGINEERS MODEL WR-01-16, 20" Capstan, 7 Available, REF.#4008/4010/4011/4012/4013/4014/4015

FASTENER ENGINEERS MODEL DTHA 02-20 WIRE DRAWER, 20" Capstan, 4 Available, REF.#3993/3994/3995/3996

3/8" BULLBLOCK (LIKE MORGAN) W/POINTER, REF.#**1652**

RMG MODEL 56-0740-68 WIRE DRAWER, REF.#**3659**

RMG MODEL 1216-01 UNCOILER, 440V, W/6' Mandrel, 4000# Coil Weight, 48' Wire Line Height, 1" Capacity, W/Reverse, REF.#**3941**

RMG MODEL 45-10140-68 WIRE DRAWER, 20" Capstan, 140 FPM, 230V, 10 HP, REF.#3927

RMG MODEL 45-1078668 WIRE DRAWER, 20" Capstan, 86 FPM, 230V, 7 HP, REF.#3929

RMG MODEL 23-0230-74 WIRE DRAWER, REF.#4016

RMG MODEL 23-0112-Z2 WIRE DRAWER, 20" Capstan, REF.#4020

RMG MODEL 23-0150-Z2 WIRE DRAWER, 20" Capstan, REF.#4019

RMG MODEL 23-0129-70 WIRE DRAWER, 20" Capstan, REF.#4009

RMG SADDLE FLIPPER, REF.#3720

RMG MODEL 45-0550-85 WIRE DRAWER, 20" Capstan, Up to 50 FPM, 460/3/60, 5 HP, REF.#**3968**

RMG MODEL 56-20191-67 WIRE DRAWER, 24" Capstan, REF.#4021

FASTENER ENGINEERS MODEL DTHA-02-20 WIRE DRAWERS, 4 Available, REF.#3993/3994/3995/3996

Straight & Cut Machines

LEWIS STRAIGHT & CUT MODEL 19-F FOR SHAPES, 21' Cutoff, Flying Shear, 3/16" - 1/2" Square or Hex, REF.#3660

LEWIS MODEL 2CV-SC STRAIGHT & CUT MACHINE, Short Cut, 3" Max. Length, .062—1/4" Diameter, REF.#**1109**

LEWIS MODEL 2C4, 6' Cutoff Extension, 1/6" – 1/4" 6' Cutoff Extension, 1/6" - 1/4" Diameter Capacity, New tooling for 2 Wire Sizes, REF.#3986

LEWIS MODEL 2CV5, 3' Cutoff, 65-200 FPM, 15 HP, 1/6" – 5/16" Diameter Capacity, REF.#3987

PATTERSON 1/4 X 10' RUNOUT, REF.#3714

SCHUSTER MODEL 38SF, Set for Flat Wire, REF.#3715

BUENDGENS MODEL UDB-5 STRAIGHTEN & CUT, .20 - .160" Cutoff, .078 - .392 Diameter, 400 PPM @ 60mm Length, Full Sound Enclosure, REF.#3834