8000 SERIES BALLSCREW FEED UNITS

- FULLY PROGRAMMABLE
- A VARIETY OF STROKE LENGTHS AVAILABLE
- ONE OR TWO AXIS OF SERVO CONTROL
- FIVE-YEAR FULL WARRANTY*

HAUSE MACHINES
809 S. Pleasant St.
P.O. Box 229
Montpelier, OH 43543

Phone 419-485-3158
Toll Free 800-932-8665
Fax 419-485-3146
E-mail hause@bright.net
Web page www.hausemachines.com
OVER A HALF-CENTURY OF QUALITY, RELIABILITY, VERSITILITY AND REPEATABILITY HAS BEEN MOULDED INTO “TWENTY-FIRST CENTURY” TECHNOLOGY

HAUSE BALL SCREW FEED UNITS PROVIDE THE ABILITY TO CHANGE OVER FROM JOB TO JOB AT THE “TOUCH OF A BUTTON”!

PROGRAMMABILITY OF ONE OR TWO AXIS’ OF CONTROL MAKES IT ALL POSSIBLE!

MAXIMUM VERSATILITY!

HAUSE MACHINES BALL SCREW FEED UNITS COME IN SIZES AND STROKE LENGTHS TO HANDLE MOST MACHINING APPLICATIONS AND ARE COVERED BY THE LONGEST WARRANTY* IN THE INDUSTRY….. 5 FULL YEARS!

CONTACT YOUR LOCAL HAUSE REPRESENTATIVE OR CALL HAUSE DIRECT TO DISCUSS MAXIMIZING THE FLEXIBILITY OF YOUR MANUFACTURING

8604 BALL SCREW WITH 5 SPINDLE HEAD IN A DRILLING MACHINE

*BALL SCREW UNIT GUARANTEE
Hause Ball Screw Feed Holomatic Units are guaranteed against defective workmanship and material for a period of sixty (60) months or (5 years) from the date of purchase/shipment.  THIS GUARANTEE DOES NOT INCLUDE SERVO MOTORS, AC MOTORS, CONTROL PACKAGES, PULLEYS OR BELTS.  Those items are guaranteed for a period of one year only.  Guarantee is void if the unit was damaged during use, tampered with, altered in any manner or operated with parts other than supplied or recommended by Hause Machines.
8300 SERIES UNIT

FEATURES AND BENEFITS

- 3 INCHES OF STROKE
- FULLY PROGRAMMABLE, FEED AND ROTATION
- ALMOST IMMEDIATE CHANGEOVER
- SPINDLE CHOICES
- CONSISTANT REPEATABILITY
- NO MANUAL ADJUSTING OF FEEDS, RAPIDS OR SPEEDS!
- 5 FULL YEARS OF WARRANTY*

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>STROKE</td>
<td>3.000”</td>
</tr>
<tr>
<td>CENTER HEIGHT</td>
<td>2.500” ± .001”</td>
</tr>
<tr>
<td>SPINDLE TYPES</td>
<td>3/4” AA, ER16 COLLET, PILOTED SLOT, OTHERS</td>
</tr>
<tr>
<td>THRUST</td>
<td>800 LBS. MAX.</td>
</tr>
<tr>
<td>QUILL DIAMETER</td>
<td>2.375”</td>
</tr>
<tr>
<td>MOUNTING</td>
<td>UNLIMITED</td>
</tr>
<tr>
<td>MAX. SPINDLE SPEED</td>
<td>7200 RPM TYPICAL / 10,000 SPECIAL</td>
</tr>
<tr>
<td>CYCLE CONTROL</td>
<td>DATA ENTRY (PLUG &amp; PLAY) 1 &amp; 2 AXIS SERVO CONTROL, REG. DRILL, SKIP FEED, DUAL FEED, PECK, TAP, AND DRAP MODES OF OPERATION</td>
</tr>
<tr>
<td>CAPACITY</td>
<td>1/2” DRILL IN STEEL</td>
</tr>
<tr>
<td>FEED RATE</td>
<td>.01 TO 200 IPM</td>
</tr>
<tr>
<td>DEPTH REPEATS</td>
<td>± .0005</td>
</tr>
<tr>
<td>SPINDLE TORQUE</td>
<td>600 INCH POUNDS</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>65 POUNDS (LESS MOTORS)</td>
</tr>
<tr>
<td>FLANGE QUILL</td>
<td>AVAILABLE UPON REQUEST</td>
</tr>
<tr>
<td>SPINDLE BEARINGS</td>
<td>CONRAD OR ANGULAR CONTACT - APPLICATION DEPENDENT</td>
</tr>
<tr>
<td>POWER SUPPLY</td>
<td>SPL. 220/440 V 3 PH / 60 HZ (CONTROLLER 24V DC)</td>
</tr>
<tr>
<td>SPINDLE MOTOR</td>
<td>STD. 4.5 AK OR SERVO FOR TAPPING / 2ND AXIS</td>
</tr>
<tr>
<td>JUNCTION BOX</td>
<td>STD. PRE-WIRED FOR OVER-TRAVEL LIMIT SWITCHES</td>
</tr>
<tr>
<td>SWITCHES</td>
<td>PROX OVERTRAVEL / SINK OR SOURCE</td>
</tr>
<tr>
<td>LUBRICATION</td>
<td>POSITIVE LUBE REQ’D - AUTO OR MANUAL (MANUAL ZERKS SUPPLIED)</td>
</tr>
</tbody>
</table>
8400 SERIES UNIT

FEATURES AND BENEFITS

• 4 INCHES OF STROKE
• FULLY PROGRAMMABLE, FEED AND ROTATION
• ALMOST IMMEDIATE CHANGEOVER
• SPINDLE CHOICES
• CONSISTANT REPEATABILITY
• NO MANUAL ADJUSTING OF FEEDS, RAPIDS OR SPEEDS!
• 5 FULL YEARS OF WARRANTY*

SPECIFICATIONS

MODEL 8401, 8402, 8403, 8404 (BALLSCREW PITCH AND MFG. DEFINES MODEL NUMBER)

STROKE 4.000"
CENTER HEIGHT 4.500” ± .001”
SPINDLE TYPES 1-1/16” AA, 1-3/8” AA, ER25 COLLET, PILOTED SLOT, #40 NMTB, OTHERS
THRUST 1800 LBS. MAX.
QUILL DIAMETER 3.250”
MOUNTING UNLIMITED
MAX. SPINDLE SPEED 7200 RPM
MIN. SPINDLE SPEED 3:1 REDUCTION W/BELTS (LOWER THROUGH REDUCTION DRIVE)
CYCLE CONTROL DATA ENTRY (PLUG & PLAY) 1 & 2 AXIS SERVO CONTROL, REG. DRILL,
SKIP FEED, DUAL FEED, PECK, TAP, AND DRAP MDES OF OPERATION
CAPACITY 3/4” DRILL IN STEEL
FEED RATE .01 TO 200 IPM
DEPTH REPEATS ± .0005
SPINDLE TORQUE 600 INCH POUNDS
WEIGHT 125 POUNDS (LESS MOTORS)
FLANGE QUILL ALLEN (ADAPTABLE FOR MULTI-SPINDLE HEADS)
SPINDLE BEARINGS CONRAD OR ANGULAR CONTACT - APPLICATION DEPENDENT
POWER SUPPLY SPL. 220/440 V 3 PH / 60 HZ (CONTROLLER 24V DC)
SPINDLE MOTOR STD. 4.5 AK OR SERVO FOR TAPPING / 2ND AXIS
JUNCTION BOX STD. PRE-WIRED FOR OVER-TRAVEL LIMIT SWITCHES
SWITCHES PROX OVERTRAVEL / SINK OR SOURCE
LUBRICATION POSITIVE LUBE REQ’D - AUTO OR MANUAL (MANUAL ZERKS SUPPLIED)
8600 SERIES UNIT

FEATURES AND BENEFITS

• 6 INCHES OF STROKE
• FULLY PROGRAMMABLE, FEED AND ROTATION
• ALMOST IMMEDIATE CHANGEOVER
• SPINDLE CHOICES
• CONSISTANT REPEATABILITY
• NO MANUAL ADJUSTING OF FEEDS, RAPIDS OR SPEEDS!
• 5 FULL YEARS OF WARRANTY*

SPECIFICATIONS

MODEL 8604
STROKE 6.000”
CENTER HEIGHT 4.500” ± .001”
SPINDLE TYPES 1-1/16” AA, 1-3/8” AA, ER25 COLLET, PILOTED SLOT, #40 NMTB, OTHERS
THRUST 1800 LBS. MAX.
QUILL DIAMETER 3.250”
MOUNTING UNLIMITED
MAX. SPINDLE SPEED 7200 RPM
MIN. SPINDLE SPEED 3:1 REDUCTION W/BELTS (LOWER THROUGH REDUCTION DRIVE)
CYCLE CONTROL DATA ENTRY (PLUG & PLAY) 1 & 2 AXIS SERVO CONTROL, REG. DRILL, SKIP FEED, DUAL FEED, PECK, TAP, AND DRAP MODES OF OPERATION
CAPACITY 3/4” DRILL IN STEEL
FEED RATE .01 TO 200 IPM
DEPTH REPEATS ± .0005
SPINDLE TORQUE 600 INCH POUNDS
WEIGHT 145 POUNDS (LESS MOTORS)
FLANGE QUILL ALLEN (ADAPTABLE FOR MULTI-SPINDLE HEADS)
SPINDLE BEARINGS CONRAD OR ANGULAR CONTACT - APPLICATION DEPENDENT
POWER SUPPLY SPL. 220/440 V 3 PH / 60 HZ (CONTROLLER 24V DC)
SPINDLE MOTOR STD. 4.5 AK OR SERVO FOR TAPPING / 2ND AXIS
JUNCTION BOX STD. PRE-WIRED FOR OVER-TRAVEL LIMIT SWITCHES
SWITCHES PROX OVERTRAVEL / SINK OR SOURCE
LUBRICATION POSITIVE LUBE REQ’D - AUTO OR MANUAL (MANUAL ZERKS SUPPLIED)
8600 SERIES BASIC LAYOUT
8700 SERIES UNIT

FEATURES AND BENEFITS

- 7 INCHES OF STROKE
- FULLY PROGRAMMABLE, FEED AND ROTATION
- ALMOST IMMEDIATE CHANGEOVER
- SPINDLE CHOICES
- CONSISTANT REPEATABILITY
- NO MANUAL ADJUSTING OF FEEDS, RAPIDS OR SPEEDS!
- 5 FULL YEARS OF WARRANTY*

SPECIFICATIONS

STROKE 7.000”
CENTER HEIGHT 4.500” ± .001”
SPINDLE TYPES #40 NMTB, 1-3/8” AA, PILOTED SLOT, OTHERS
THRUST 4500 LBS. MAX.
QUILL DIAMETER 4.500” X 25” LONG BEARING SUPPORTED AT EACH END
MOUNTING UNLIMITED
MAX. SPINDLE SPEED 5000 RPM
CYCLE CONTROL PROGRAMMABLE MOTION CONTROLLER, 1 & 2 AXIS SERVO CONTROL, REG.
DRILL, SKIP FEED, DUAL FEED, PECK, TAP, AND DRAP MODES OF OPERATION
CAPACITY 1-1/2” DRILL IN STEEL
FEED RATE .01 TO 200 IPM
DEPTH REPEATS ± .0005
SPINDLE TORQUE 3500 INCH POUNDS
WEIGHT 195 POUNDS (LESS MOTORS)
FLANGE QUILL ALLEN (ADAPTABLE FOR MULTI-SPINDLE HEADS)
SPINDLE BEARINGS CONRAD OR ANGULAR CONTACT - APPLICATION DEPENDENT
POWER SUPPLY SPL. 220/440 V 3 PH / 60 Hz (CONTROLLER 24V DC)
SPINDLE MOTOR STD. 8.5 AK OR SERVO FOR TAPPING / 2ND AXIS
JUNCTION BOX STD. PRE-WIRED FOR OVER-TRAVEL LIMIT SWITCHES
SWITCHES PROX OVERTRAVEL / SINK OR SOURCE
LUBRICATION POSITIVE LUBE REQ'D - AUTO OR MANUAL (MANUAL ZERKS SUPPLIED)
8700 SERIES UNIT REQUIREMENTS

SPINDLE MOTOR

SERVO OR AC
SPECIFY TYPE & MODEL

SPINDLE BELT/PULLEY ASSEMBLIES
2:1 RED.-CUSTOM 6" SERVO
OTHERS--SPECIFY

FEED BELT AND PULLEY ASSEMBLIES
2:1 RED.-CUSTOM 6" SERVO MTR
2:1 RED.-A-B F-4050-G-H04AA-50MM KEY
2:1 RED.-PAC-800 R-65
2:1 RED.-6" SERVO MTR
1:1.75 RED.-A-B B4200H MTR
2:1 RED.-A-B F-4050-G-H04AA-10MM KEY
OTHERS--SPECIFY

SERVO MOTORS
CUSTOM SERVO MOTOR - MAXI-PLUS
INORMAT JFK0071
ALLEN BRADLEY #4050-G-H04AA
ALLEN BRADLEY #4050P/B4200P
YASKAWA #66MH-30A/-40A/-50A
YASKAWA #66MN-60A/-68A/-13A
PM4
R63-ENGLISH-PAC-SCI
OTHERS--SPECIFY

BELT HOUSINGS
EXTENDED-4.5" AS DA (AC MOTOR)
EXTENDED-8.5" AS DA (AC MOTOR)
EXTENDED (TT. MT. MOTOR)
(ALTERED MOTOR PLATES REQUIRED FOR SPINDLE SERVO MOTORS)

OVERTRAVEL SWITCH ASSEMBLIES
HOME/OVER TRAVEL SWITCH ASM (LH MGC)
HOME/OVER TRAVEL SWITCH ASM (RH MGC)
HOME/OVER TRAVEL LIMIT SWITCH ASM (LH MGC)
OVER TRAVEL/MODE SWITCH (PNP SOURCING)

DRIVE ASSEMBLIES
PILOTED SLOT H.T.
40 QC NMTB H.T.-LIGHT BRC LOAD
40 QC NMTB H.T.-MID. BRC LOAD
40 QC NMTB H.T.-HYD. BRC LOAD
1-3/8 AA H.T.-LIGHT BRC LOAD
1-3/8 AA H.T.-MID. BRC LOAD
1-3/8 AA H.T.-HYD. LOAD
1-7/8 AA H.T.
HSK-63-C H.T.

DIRECT DRIVES
YASKAWA 66MH-20A/30A/44A
THOMSON MCKON UPRO14-300 GEARHEAD H.T.
HELICAL RIGHT ANGLE GEARHEAD ULTRA TRUE 90 SIZE 10
OTHERS--SPECIFY

IN-LINE DRIVE ASSEMBLIES
EXTENDED SHAFT H.T.
EXTENDED SHAFT W/Coolant Feed H.T.
8100 SERIES UNIT

FEATURES AND BENEFITS

- 10 INCHES OF STROKE
- FULLY PROGRAMMABLE, FEED AND ROTATION
- ALMOST IMMEDIATE CHANGEOVER
- SPINDLE CHOICES
- CONSISTANT REPEATABILITY
- NO MANUAL ADJUSTING OF FEEDS, RAPIDS OR SPEEDS!
- 5 FULL YEARS OF WARRANTY*

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BALLSCREW UNIT CONTROL SYSTEMS

Hause Machines can provide single to multi-axis control systems for your ballscrew unit applications or you can provide your own. It’s all up to you and your company’s capabilities.

Using the latest technologies, we can develop systems to meet and exceed your requirements.

Not every need is the same, so flexibility of any system is of the utmost importance.

All “Hause supplied” control systems are tested with the units prior to shipment so you will be able to receive your units and controls, “Plug in and Play!”

The following is an overview of the basics of what we provide as a standard:

**SINGLE AXIS CONTROLLER** (Unit Feed Only)

- Control enclosure w/fused disconnect
- Servo motor and drive
- 1 axis motion controller
- Touch screen keypad (mounted in enclosure)
- Program installed
- Interfaces w/PLC
- Cables in 10’ length’s

**TWO AXIS CONTROLLER** (Unit and Spindle Control)

- Control enclosure w/fused disconnect
- Servo motor and drive
- 2 axis motion controller
- Touch screen keypad (mounted in enclosure)
- Program installed
- Interfaces w/PLC
- Cables in 10’ length’s

**OPTIONS**

- Motor size and Manufacturer
- Multi-Axis control systems (For Multiple Units)
- Reduction Drives (Low RPM Applications)

Contact your local Representative or Hause Machines direct for current pricing of standard packages or a quote for your particular application needs.
“TYPICAL” STANDARD PACKAGE

EASY PROGRAM CHANGES TO THE “CANNED” PROGRAM

TYPICAL ENCLOSURE

TOUCH SCREEN “MAIN MENU”

EASY TO FOLLOW “SET UP”

“MANUAL MODE”

“AUTO CYCLE”