



## THE PEERLESS 7000 BY SIP

### THE WORLD'S FASTEST, EASIEST AND MOST PRECISE REEL GRINDER

**FASTEST.** In tests comparing all of the major manufacturers' grinders, the Peerless ground at least 2-3 times faster. The Peerless, with its unique grinding head and reel clamping design, can make heavier grinds with less vibration. And just because you can take heavy grinds doesn't mean you have to. This unique design also allows you to take very light grinds without grinding wheel hop or chatter.

**MOST PRECISE.** Only the Peerless can grind straight to within .001 inches and grind cylindrical and parallel within .002 inches. We can do this because of our revolutionary Total Parallel Grinding™ and Pi Tape measuring system.

**INNOVATIVE.** The new TorqueControl™ Automatic Relief Grinding system allows you to choose the optimum grinding wheel width for the reel you are grinding so you can get the job done more quickly. The Peerless 7000 features adjustable legs so you can set the grinder to a comfortable operating height. It also features an automatic front door that opens and closes with the flip of a switch.

**GRIND YOUR WAY.** The Peerless 7000 lets you choose only the options you need. Options can be added when the grinder is purchased or at any time in the future.

# THE PEERLESS 7000

## THE WORLD'S FASTEST, EASIEST AND MOST PRECISE REEL GRINDER

### FEATURES

- The table is a single piece welded from 3/8 inch thick steel plate. It is precision machined to make the top parallel to the grinding head travel to within .002 inch.
- The track shafts are induction hardened, turned, ground, polished, and hard chrome plated for maximum durability and precision.
- The reel support rails are precision machined, case hardened, ground in sets, and hard nickel plated for maximum durability and precision.
- The patented pi tape is the only system that measures the actual taper of the reel instead of measuring from the reel shaft. This enables you to measure the reel to within .002 inches.
- Maintenance free pneumatics include a factory lubricated and sealed cylinder and a self draining filter regulator.
- The pneumatic chain clamps are versatile and easy to use.
- The polycarbonate front shield opens with the flip of a switch.
- The control panel is convenient, easy to use and out of the way.
- Single point infeed eliminates alignment errors caused by dual end infeed systems.
- The quick change hubs allow for fast change-over from spin to relief grinding and makes changing the grinding wheel a snap.
- The rear fence is fully adjustable and self aligning. The right post can be independently adjusted for fine tuning and snaps back to zero with a detente.
- Front loading allows you to place the grinder against a wall or in a corner for the best use of your floor space.
- Dual travel stops for spin and relief grinding minimizes change-over time. A third stop lets you control travel on conical reel.
- The one horsepower, totally enclosed-fan cooled grinding motor provides all the power you will need and is maintenance free.
- The one quarter horsepower, variable speed spin motor goes to 600 rpm, most in the industry. It is also smart wired so that it always rotates in the right direction.

### OPTIONS

- 77565-01 Extended 10 Year Warranty
- 77570-01 Automatic Spin Grinding Infeed
- 77575-01 Fully Automatic Relief Grinding with TorqueControl™
- 77580-01 Full Shield
- 77502-01 500 Lift Table
- 77085-02 Dust Collection System
- 77390-03 Extra Indexer Mechanism
- 77322-01 Ground Driven Support Posts
- 77365-01 Calibration Bar
- 77017-01 Extra Pi Tape



### SPECIFICATIONS

- 35 inch carriage travel
- 6 x 1-1/2 inch spin grinding wheel
- Quick change grinding wheel hubs
- One horsepower TEFC grinding motor
- One-quarter horsepower TEFC, 0-600 rpm variable speed, DC spin motor
- Patented TorqueControl™ relief grinding with auto indexing
- Patented Pi Tape for measuring reels
- Maintenance free pneumatic carriage drive
- All welded 3/8 inch thick steel table
- Separate travel stops for spin and relief grinding with triple stop for conical reels
- Single point grinding wheel infeed
- Hard chromed track shafts
- Hard nickel plated reel support rails
- Self aligning rear fence
- Easy front loading design
- Power open polycarbonate front shield
- 60 inches wide x 42 deep x 60-72 high
- 1200 pound shipping weight

# SIP™

## SIMPLEX IDEAL PEERLESS



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## THE IDEAL 6000 BY SIP

**THE WORLD'S FASTEST, QUIETEST AND MOST PRECISE BED KNIFE GRINDER**

**OUR UNIQUE FIXED DUAL GRINDING HEADS** reduce set up and changeover time, eliminate interference between the grinding head and bed knife, and allow you to grind the top and front faces at the same time.

**THE GRINDER IS FULLY ENCLOSED** to virtually eliminate dust and noise. The door opens and closes with one finger.

**THE SINGLE PLANE SUPPORT** and mechanical clamps firmly hold the bed knife without distortion.

# THE IDEAL 6000

## THE WORLD'S FASTEST, QUIETEST AND MOST PRECISE BED KNIFE GRINDER

### FEATURES

- The table is a single piece, welded from 1/4 inch thick steel plate and precision machined.
- The track shafts are induction hardened, turned, ground, polished, and hard chrome plated for maximum durability and precision.
- The door has polycarbonate panels for good visibility and opens and closes easily.
- Dual grinding heads eliminate change over from front to top face and help maintain consistency between bed knives. The motor for the top face head is under the grinding wheel to eliminate interference with awkward bed knives.
- Single point infeeds eliminate alignment errors caused by dual end infeed systems.
- Dual diamond dressers make it fast and easy to keep the grinding wheel dressed.
- Dual 3/4 horsepower, totally enclosed-fan cooled grinding motors provide all the power you will need and are maintenance free.
- Grind angles are set with pins for easy set up and maximum repeatability.
- Maintenance free pneumatics include a factory lubricated and sealed cylinder and a self draining filter regulator.
- A line and a point define a plane which provides distortion free bed knife mounting.
- The coolant mist system gives optimum cooling while using once through, always clean coolant. This eliminates disposal problems, odor and infections.
- The control panel is convenient, easy to use and out of the way.

### OPTIONS

- 77565-02 Extended 10 Year Warranty
- 60300-01 Pin Alignment System
- 60000-92 Extra Pallet
- 79028-03 Ceramic Stone
- 77020-05 Coolant for Mist System
- 77365-01 Calibration Bar



### SPECIFICATIONS

- 75 in wide x 40 in deep x 46-58 in high (191 cm x 102 cm x 117-148 cm)
- 40 in carriage travel (102 cm)
- 800 pound shipping weight (500 kg)
- Two 6 x 3 x 1-1/4 cup grinding wheels
- Two 3/4 horsepower, totally enclosed fan cooled grinding motors
- Maintenance free pneumatic carriage drive
- All welded steel table
- Single point grinding wheel infeeds
- Induction hardened, ground, polished, and hard chrome plated track shafts
- Maintenance free pneumatic carriage drive
- Chrome shaft and ball support the bed knife without distorting it
- Mechanical clamps
- Fully enclosed with polycarbonate panels and easy open door
- Integrated coolant mist system

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