

## 20" Heavy-Duty Planer (MI-31450, MI-31453)



The MI-31450 20" Heavy-Duty Planer is an industry workhorse, made for busy shops that need a mid-range production machine. The newly designed Magnum helical cutterhead delivers all the advantages of a standard helical head with several improvements: It limits lines and grain tear out, it doesn't require special torque-setting tools, and its 58 reversible carbide inserts can handle almost any hardwood or softwood application. Also available with a 3-phase motor (MI-31453).

**Helical  
Head with  
Carbide  
Inserts**

### Features:

- Powerful 5 HP motor accommodates continuous feeding, even with larger planks
- Magnum helical cutterhead with 58 two-sided carbide inserts minimizes tear out and lines
- Extra-long cast-iron wings support large workpieces and reduce snipe
- Top return rollers facilitate multiple passes on long pieces
- Four-post lock minimizes snipe marks on final pass
- Two feed speeds (16 and 20 LFM) deliver high-quality results on hardwood or softwood
- Complete one-piece stand provides stable, vibration-free operation and includes a built-in heavy-duty mobile base
- Magnetic switch protects against burnout and improves operator safety

### Specifications:

**Motor (MI-31450):** 5 HP, 220V, 1 PH, 23.2A  
**Motor (MI-31453):** 5 HP, 220V, 3 PH, 20A  
**Inserts:** 58 carbide two-sided inserts  
**Table size:** 55" x 20" (1,437 x 508 mm)  
**Extension size:** 4" x 21-1/4" (380 x 538 mm)  
**Cutterhead speed:** 5,000 RPM  
**Dust port:** 5" (127 mm)

**Max planing width:** 4" (100 mm)  
**Max stock thickness:** 8" (202 mm)  
**Max stock length:** 6-3/4" (172 mm)  
**Max cutting depth:** 1/8" (3 mm)  
**Feed speed:** 16 and 20 LFM  
**Weight:** 893 lbs (406 kg)