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Pfauter SF1 Worm & Thread Milling Machine – Stock #4232

PRICE \$10,000+GST

Maker: Maschinenfabrik Pfauter, Chemnitz (Germany)

Model: SF1

Type: Manual worm and thread milling machine

Overview: - The Pfauter SF1 is a precision German-made worm and thread milling machine designed for producing single- or multi-start worms, lead screws and other high-accuracy threads. Its rigid construction, short gear trains and versatile head options make it suitable for both repair workshops and gear manufacturers.

Key Features

- Cuts workpieces up to **295 mm** in diameter (standard headstock) or **320 mm** (optional headstock).
- Handles pitch modules up to **15 mm** (side-milling head) or **30 mm** (end-milling head).
- Maximum centre distance **730 mm** (standard headstock), **680–720 mm** with larger headstock.
- Lead angles up to **90°** with lead ranges from **24–590 mm** to **15,000 mm**.
- Swivelling milling spindle: **+90° to right / 125° to left**.
- Spindle bore: **80 mm** (standard) or **155 mm** (special headstock).
- Maximum cutter sizes: **Ø210 × 100 mm** (standard) or **Ø255 × 160 mm** (parallel head).

Technical Specifications

- Centre height: **150 mm** (standard), **163 mm** (special headstock).
- Power: **11 kW total consumption**.
 - Main drive motor: **7.4 HP / 5.5 kW**
 - Rapid traverse motor: **4 HP / 3 kW**
- Electrical: **3 phase 415 volt**

- Weight: Approx. **4,400 kg** (with accessories)
- Floor space: **3,600 × 2,170 × 1,630 mm** (with doors open)

Applications

- Milling precision worms, lead screws and multi-start threads.
- Adjustable indexing gear minimises backlash, ensuring high accuracy.
- Suitable for **repair shops and gear manufacturing operations.**