



**Function :** To Polish the diamond on diamond polish scaife rotating at around 2880 rpm

- To polish the diamond on diamond polishing Scaife rotating at around 2880 rpm, while holding the diamond in hand held tools and fixtures.

**Salient Features :**

- Use of super precision P2/P4 quality matched pair angular contact bearings guarantee dynamic axial run out within 0.001 mm.
- Large 60 mm bore duplex matched pair, mounted in tandem at the nose - end ensures unmatched Life performance for years to come.
- Duplex matched pair mounted in tandem at the tail - end supports the spindle under 500 N preload forces. This ensures very high stiffness to take care of small unbalance force coming from the unbalanced Scaife.
- Expanding nose always ensures concentric mounting of balanced Scaife eliminating requirement of balancing the Scaife on the mill after mounting.
- Integral scaife drive allows use of open top mills, enhancing appearance of the factory and allowing easier operation.
- The complete drive assembly is dynamically balanced on high precision balancing machine developed specifically for this captive purpose.
- The super precision bearings are greased for life, and require no attention during their many years of service.
- Ultimate rotational accuracy, due to quality manufacturing set up.
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- Single piece stabilized spindle, resulting in maximum stability. (Scaife will be actually fixed on the Spindle, and not on a screwed-on flange).
- Ergonomically designed unit ensures fatigue free working.
- Available in 2 station and 4 station version. ( Any client specific design can be made available ).
- Complete with Dust collection ducting system.
- Cast iron top and filled frame ensures good damping.
- Machined top with anti-roll edge to avoid rolling down of pots placed on the table ( Available in STD Model ).

**Specification :**

➔ Weight	:	350 kg (May Vary based on model)
➔ Dimension	:	1025 x 725 x 930 (1900) mm (Customized construction possible)
➔ Power Supply	:	415 V AC, 50 Hz, 3 Phase
➔ Maximum Torque	:	Torque 5 Nm 1.5 kw (2 HP)
➔ No Load Current (Spindle drive)	:	0.4 to 0.6 Amp (415 V)
➔ Starting Current	:	10 Amp (415 V) - for 10seconds - on full load
➔ Normal On Load Current	:	0.7 to 1.0 Amp (415 V)
➔ Total Power Consumption in Unit	:	0.35 kw/hr. - In Unit
➔ Spigot Size (Scaife Bore)	:	50mm - Expanding nose