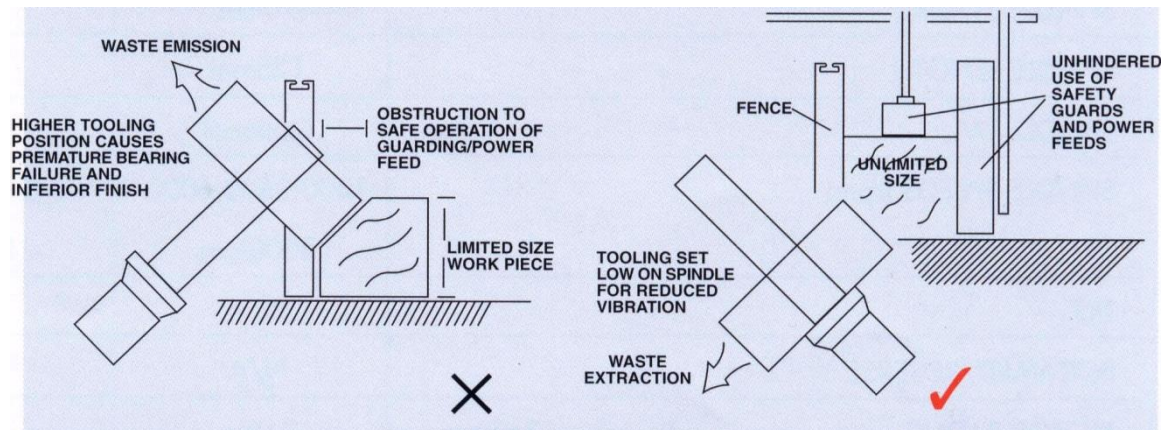


SM255t Spindle Moulder



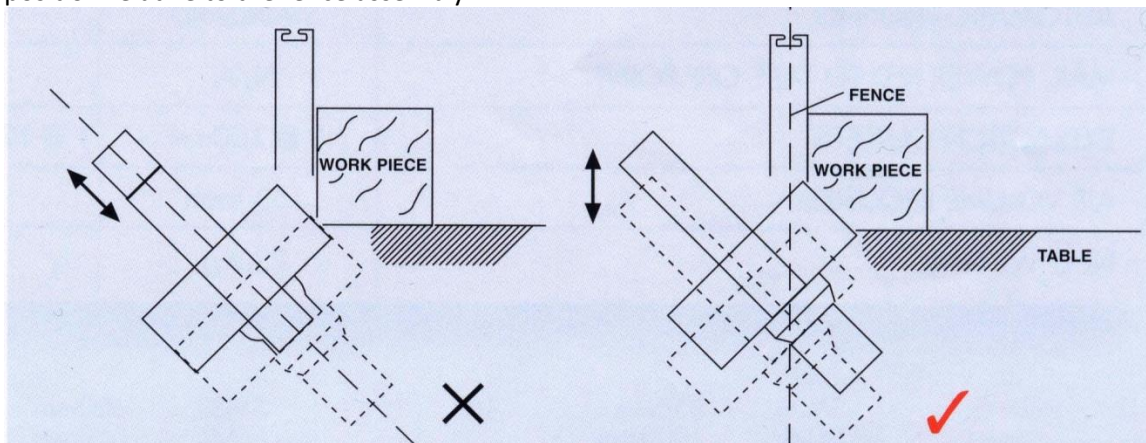
Reverse Tilt (overall adjustment plus 5 degrees to minus 45 degrees)

Unlike the majority of manufacturers, the SM255t is designed with a backward tilting spindle. Working from underneath the stock makes for safer working, without restriction on the size of stock being machined, and without obstruction to the pressure guards or power feed. Wood chips are directed into the exhaust outlet in the machine base.



'True Vertical' Rise and Fall

The SM255t's unique 'true vertical' rise and fall system allows for vertical adjustment of the spindle independent of the tilting mechanism. The angled tool when adjusted up or down thereby retains its position relative to the fence assembly.





Construction

A cast iron table mounted on a heavy duty steel cabinet provides maximum timber support and a stable and accurate base for anchoring the spindle, motor housing, and rise & fall mechanism. All tables feature an anti-friction planed finish. The bearing housing, rise & fall assembly and motor mountings are also in machined cast iron. The spindle is belt driven by an industrial motor and runs in "sealed for life" bearings, which require only minimal maintenance.

Ease of Operation

The spindle rise and fall and tilt mechanisms are operated by a crank handle at the front of the machine. Both positions are read from a digital indicator. The SM255t features a cast iron 'horseshoe' type assembly with independently adjustable precision-ground fence plates and movement indicators.

Changeover between the four spindle speeds is effected by quick and easy belt re-positioning. A viewing panel showing pulley speed is incorporated.

Versatility

The machine's removable spindle allows the operator to select between 30mm and 1 1/4" dia. spindles, as well as offering the flexibility of optional router or tenoning spindles.

Safety Features

The machine is equipped with a cast aluminium cutter guard and a robust shaw guard set with hexagonal mountings and steel ratchet handles. Twin outlets facilitate dust extraction from both the cutter well and fence locations. Additional safety features include: automatic braking; starter with thermal overload no volt release protection and lock-off emergency stop; lockable isolator; electronically interlocked door; a footstop and a socket for a power feed unit.

Optional Accessories

Table Extensions

To provide increased support for long work-pieces. Manufactured in strong sheet steel, a set of two extends the table length by 1000mm

Sliding Table

To provide a stable moving platform for tenoning etc. The table is manufactured in steel tube, and runs on precision-ground case-hardened rollers and bearings. A mitre fence with 90-45° adjustment, timber stop and cam action timber clamp are all incorporated.

Table Size: 740 x 30mm / Stoke: 900mm / Nett Weight: 40kg

Tenoning Hood

To provide protective covering and a point of extraction (100mm) for cutters up to 350mm dia. The lid and visor are both adjustable, and feature a carrying handle.



Stub Spindle

For use with counterbored cutterheads.

Router Spindle

The router spindle is quickly interchanged, without disturbing the main spindle or bearings. Particularly valuable when machining small pieces, the unit comes with a 1/2" collet, nut and spanner.



Ring Fence and Safety Guard

For safe machining of curved work-pieces. This fully adjustable heavy-duty guard comes with a 6 1/4" ring, two adjustable visors, a foot which is bolted to the table, a 12" upright, and a 7" cross bar.

Machine Specification:

TABLE SIZE (LxW)	1000x750mm
TABLE HEIGHT	880mm
MAX. CUTTERBLOCK DIA.	150mm
MAX. PROFILING CUTTER DIA.	255mm
MAX. CUTTER WEIGHT	7Kg
MAX. TENNONING CUTTER DIA.	310mm
MAX. RETRACTABLE TOOL SIZE	180x65mm
SPINDLE DIA.	30mm (Optional 11/4")
SPINDLE LENGTH	140mm
SPINDLE SPEEDS (rpm)	3000, 4500, 6000, 8000
MAX. SPINDLE PROJECTION ABOVE TABLE	165mm
SPINDLE STROKE	90mm
TILT	+5 to -45 degrees
FENCE PLATES	150x425mm
EXTRACTION OUTLETS	125 + 100mm
AIR VOLUME REQUIRED	1870cmh
VOLTAGE / FREQUENCY	3 PHASE + EARTH; 400/230v – 50/60 Hz 1 PHASE + N + EARTH; 230V - 50/60 Hz
MOTOR RATING	3 PHASE 5.5Kw IE2 (S1); 1 PHASE 3.8Kw
MOTOR FULL LOAD CURRENT IN AMPS	3 PHASE 11.5A; 1 PHASE 16.5A
STARTING CURRENT IN AMPS	3 PHASE 69A; 1 PHASE 99A
REQUIRED FUSE SIZE IN AMPS	3 PHASE 25A/ph; 1 PHASE 40A
REQUIRED CABLE SIZE	4mm ²
PACKED DIMENSIONS	1120x760x1440mm
NETT WEIGHT	425Kg

