

STARTRITE

'INCA'

Type C51/132 Mini-joiner

A 15 operation portable
workshop in
9 square feet of space

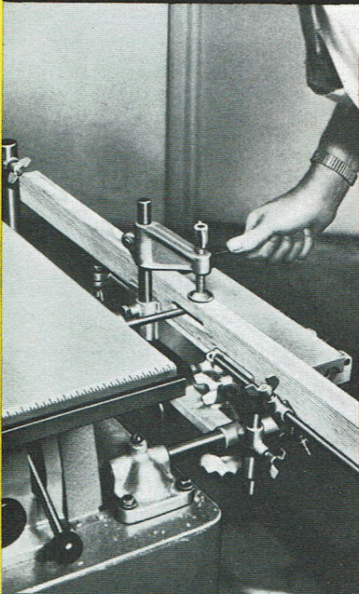




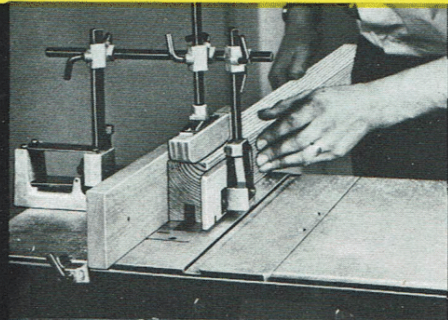
Chamfering



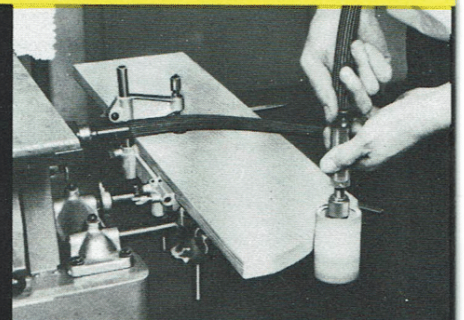
Flat sanding



Mortising



Trenching . . . using wobble saw and protective device



Contour sanding . . . using flexible shaft

- Planing
- Grooving
- Moulding
- Tonguing
- Mortising
- Boring
- Rebating
- Ripping
- Mitreing
- Cross cutting
- Thicknessing
- Flat Sanding
- Power take off
- Profile sanding
- Tenoning
- Beveling

YOU GET ALL THESE FEATURES WITH THE C51/132 STARTRITE MINI-JOINER, BRITAIN'S MOST UP-TO-DATE COMBINATION WOOD-WORKER.

Space Saving with three machines mounted on one stand, you save valuable floor space.

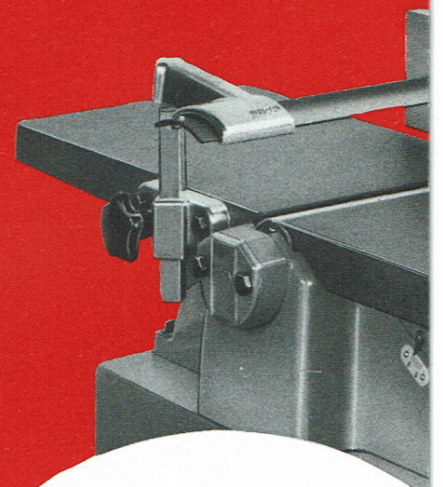
Low Power Cost. One motor instead of three powers the three units keeping motor and running costs down to a minimum.

Portability. Optional wheels and trolley-arm makes the machine fully mobile. You can move it anywhere in your home, workshop or right out to the job site.

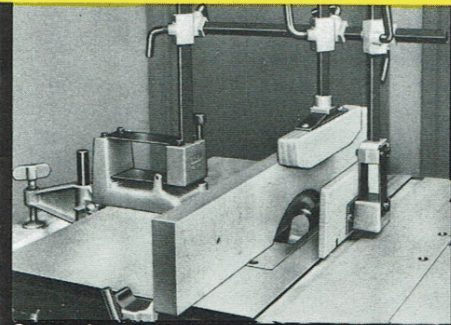
Safety. The unique sliding motor drive allows one machine only to run at a time. A full set of guards provide maximum safety for all operations.

These special features make the Startrite Mini-Joiner an excellent versatile unit for use in joiners, builders, picture frame makers, sign and display and home workshops. The special guarding features also make the machine highly suitable for teaching and demonstrating a wide range of woodworking operations to Students and Apprentices in Industry and Schools.

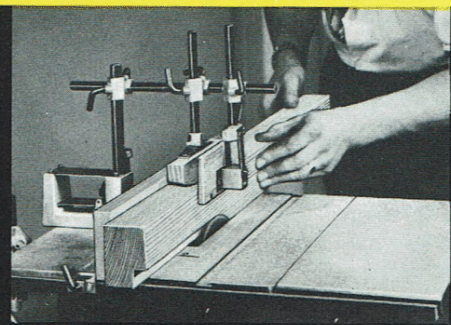
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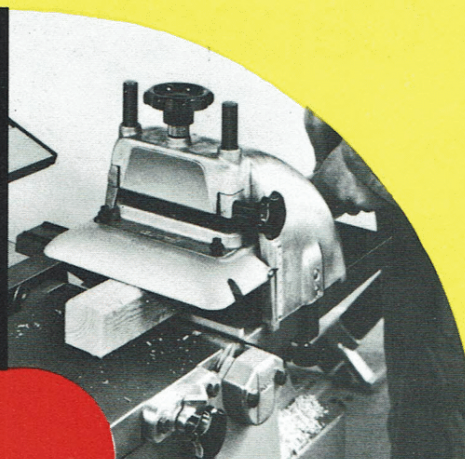
Inset view shows mortise table and chuck mounted on saw spindle.



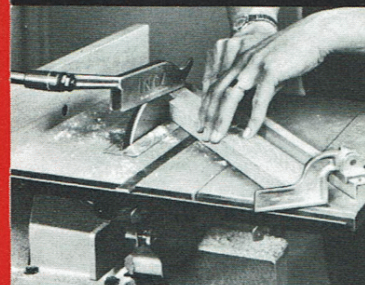
Set up for moulding . . . with recessed facing to fence



Rebating . . . using wobble saw and protective device



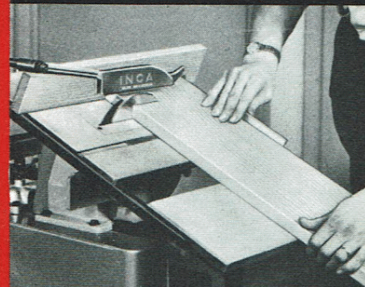
Thicknessing



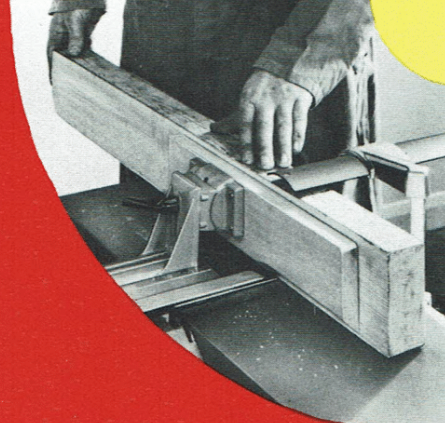
Mitreing . . . using repetition end stop



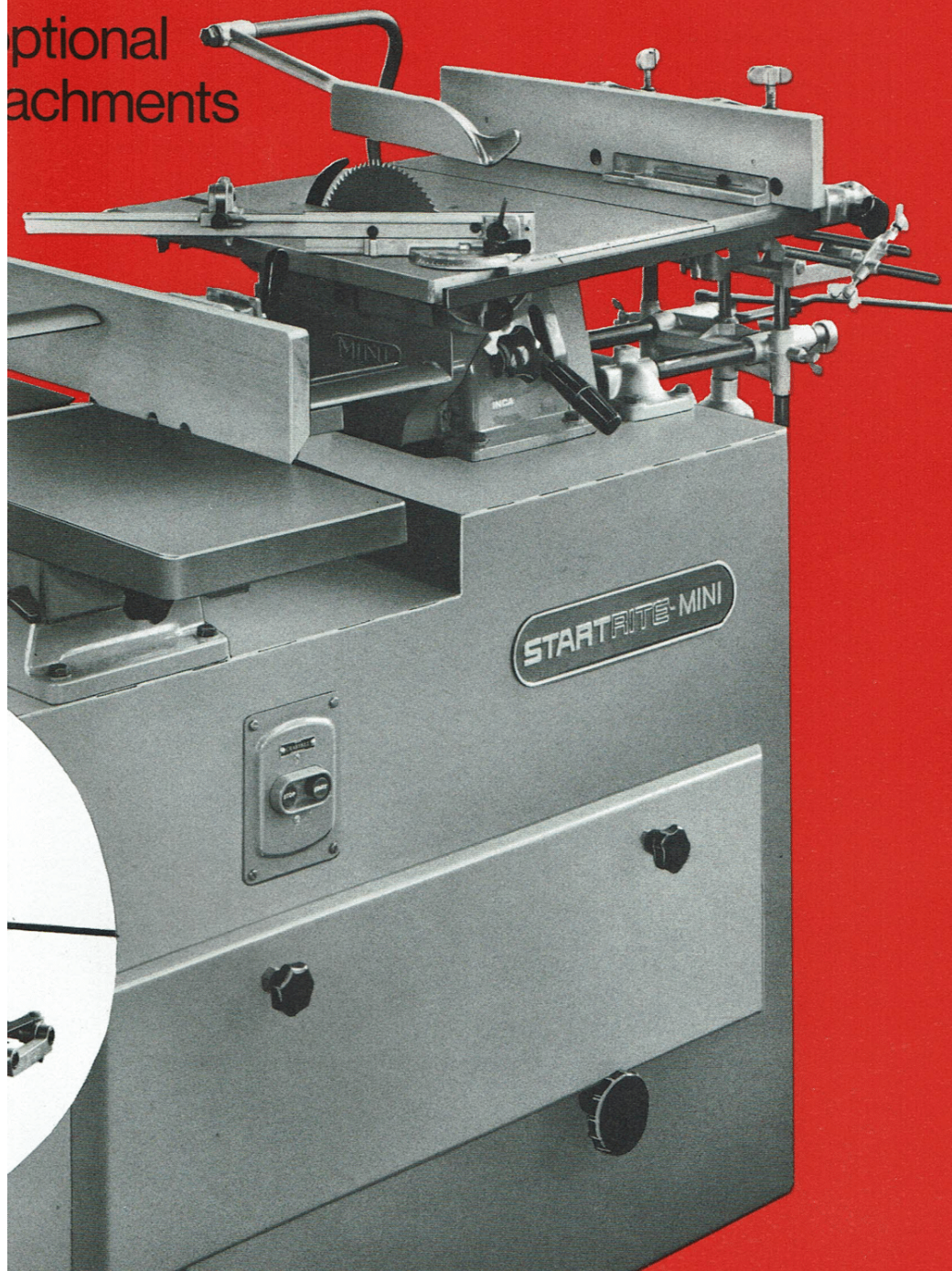
Ripping . . . table tilted



Crosscutting . . . table tilted
Surface planing



Operations machine Optional Attachments



Constructional details

The construction of the 132 Startrite Inca Mini-Joiner is based on a heavy duty sheet metal cabinet stand which houses the sliding motor and transmission for the following Swiss Precision built sawing, planing units.

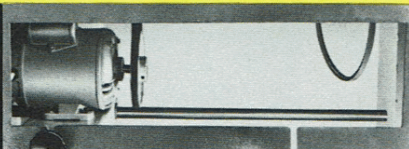
Sawing Unit The Sawbench which is capable of cross-cutting up to 53mm. (2 $\frac{1}{8}$ ") deep and will rip all types of panels. The sawbench table has a rise and fall mechanism guided on slideways with a positive lock. The table tilts through 45° and may be locked in any intermediate position. The extension section, locked into slide-rails, may be used on either side of the main table which, fully extended, measures 420 x 640 mm (16 $\frac{1}{2}$ " x 25 $\frac{1}{4}$ "). A full length rip-fence, with rear stop, is supplied. The pivoting saw guard is mounted from the rear of the bench.

The precision mitre guide is graduated 45°, 60°, 75°, 90° and is fitted with adjustable repetition end stop. The guide bar runs in a dovetail slot to the left of the saw and the spindle of the Saw Bench accepts wobble washers for grooving, trenching and rebating with a saw blade. For greater dimensional accuracy a series of grooving saws is available. A safety type moulding block with two cutters is also used on the saw spindle and the moulding cutters are slotted for safe fixing and having a malleable iron core are splinter proof.

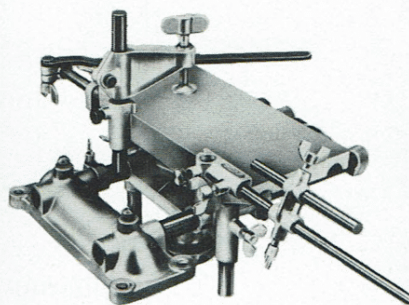
Mortising Table This unit has robust supports for both vertical and horizontal adjustment and stops are provided for regulating the depth and length of the mortises. The table can be raised to the desired height by the handwheel and is locked by two wing nuts. Two clamps are provided for securing the work piece to the mortise table. The mortise table has a working surface of 120 x 250 mm. (4 $\frac{3}{4}$ " x 9 $\frac{7}{8}$ ") and mortises can be produced in one stroke of the table up to a maximum length of 90 mm. (3 $\frac{1}{2}$ "). Maximum boring depth is 115 mm. (4 $\frac{1}{2}$ ").

Planing Unit This simple yet versatile unit is not only ideal for all planing up to 220 mm. (8 $\frac{1}{2}$ ") wide, but with attachment produces accurate thicknessing up to 60 mm. (2 $\frac{3}{8}$ ") deep.

Surface tables 760 mm. (30") long, front table adjustable for cuts up to 5 mm. ($\frac{1}{8}$ ") deep. Tilting fence and cutter-guard supplied. Dynamically balanced cutter block, with two knives; runs at 6000 r.p.m. All bearings are permanently lubricated.



View showing motor slide rail and two drive location points. Two V belts are provided and the motor can be rapidly moved along the rail and locked at the saw or planing station.



The compound action Mortise Table is mounted to the right of the Saw Bench, at which side the spindle is extended to accept a taper fitting 3-jaw precision chuck using mortise bits. The table has a side movement of 3 $\frac{1}{2}$ " , depth movement of 4 $\frac{1}{2}$ " , and elevation through 2 $\frac{3}{8}$ " . All movements may be locked. With this

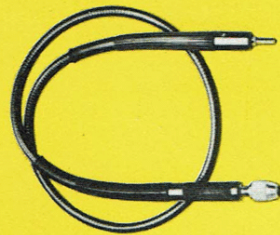
arrangement it is possible to carry out accurate mortise cuts, long hole boring and dowel hole drilling.

Optional extras available with mini-joiner.



Abrasive belt sander. This practical appliance is ideal for sanding wood surfaces. It is driven from the arbor of the saw bench by means of a coupling or the flexible shaft.

Adjuster for moulding cutters. With the help of this device, the two cutters in the moulding head can easily be adjusted axially and radially.



Flexible driving shaft, length 1500 mm = 59 3/4", with drill chuck (interior diameter 1/4"), to carry out drilling, milling and sanding operations as well as for driving the abrasive belt sander.



Sanding drum 2" dia. with locking wedge.

Sanding drum papers for sanding drum. Supplied in Fine, Medium or Coarse Grit.

Sanding disc, 6" dia. with Locking Cone and screw.



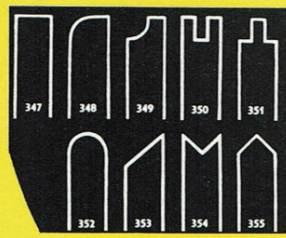
Sanding disc papers for sanding disc. Supplied in Fine, Medium or Coarse Grit.



Coupling Set for operating the belt sander from drill chuck when fixed onto the mortising table.



Mortise Bits for use with Chuck and Mortise Table.



Cutters for moulding head.

18 different saw blades for cutting wood, plywood, veneer, plastics and non-ferrous metals are available.



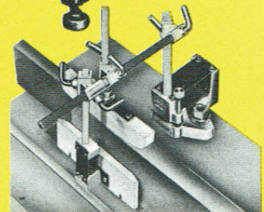
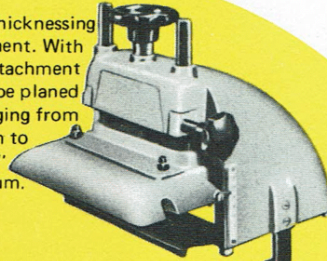
Grooving cutters



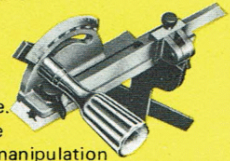
4" Moulding Head with Key and Special Insert. Safety pattern, cutters cannot fly off or splinter.



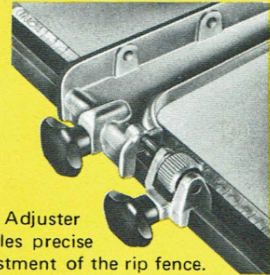
Planer Thickening Attachment. With this attachment workpieces can be planed from any thickness ranging from 60 mm = 2.3/8" maximum to 0.6 mm = 0.023 or 1/40" maximum.



Protecting device for grooving and shaping. This safety device is highly recommended as it reduces all dangers of accidents to a minimum, and ensures cleaner working.



Handle for Mitre Guide. This handle facilitates manipulation of the mitre guide, particularly when angle cutting wide workpieces.



Fine Adjuster enables precise adjustment of the rip fence. The adjusting wheel with scale (1 line = 0.004 or 1/250") facilitates fine corrections.



Wheels, feet and trolley handle make machine portable.

Capacities and Specification

Saw

	MM	Inches
Depth of cut	53	2 ¹ / ₈ "
Max. saw diameter	178	7
Spindle diameter	15	—
Max. width crosscutting		
Table tilt	45°	

Mortising

	MM	Inches
Table size	120	4 ³ / ₄ "
	250	9 ⁷ / ₈ "
Longitudinal stroke	90	3 ¹ / ₂ "
Traverse stroke	115	4 ¹ / ₂ "
Vertical adjustment	60	2 ³ / ₈ "
Chuck capacity	10	³ / ₈ "

Sanding

(Optional Equipment)

Disc Diameter	6"
Drum Diameter	2"

Surface Planer

	MM	Inches
Table length	760	30
Table width	220	8 ⁵ / ₈ "
Cutter block diameter	62	2 ⁷ / ₁₆ "
Cutter block speed	6,000	r.p.m.
No. of cutters	2	

Thicknessing

(Optional Equipment)

Maximum thickness	60	2 ³ / ₈ "
Maximum width	200	8

Moulding Head

(Optional Equipment)

	MM	Inches
Head diameter (2 cutters)	100	4"
Max. width cutters	20	2 ⁵ / ₃₂ "
No. of shapes		9

Motor

One Motor — Single or three phase
— .75 H.P. — 1425 r.p.m.
Starter with thermal overload protection.

Measurements

Overall dimensions	MM	Inches
Length	1143	45
Width	762	30
Height	850	33 ¹ / ₂ "
Net weight	94 kg	207 lbs

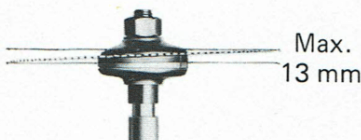
Standard Equipment

Sawbench table extension
Safety guards
Crosscut saw blade (104)
Riving knife
Rip fence with hardwood facing
Wobble washers and table insert
Saw mitre guide
Mortise table with 2 clamps
10 mm (³/₈") capacity chuck
Tilting planer fence
Bridge type planer guard
Set of tools and instruction book

Optional Extras

Thicknessing attachment (Planer)
Moulding head with key and table insert
Moulding cutters — 9 standard shapes
Adjuster for moulding cutters
Fine adjuster (rip fence)
Mortise Bits 6 mm (¹/₄") 8 mm (⁵/₁₆")
10 mm (³/₈")
Grooving cutters 3, 4, 5, 6, 8 or 10 mm wide.

Saw blades for wood, plastics (see handbook)
Sanding disc and abrasive sheets
Sanding drum and abrasive sheets
Protective device for grooving
Flexible drive shaft with chuck
Abrasive belt sander.
Coupling for above when fixed to table handle for mitre gauge
Planer knives,
Wheels making machine portable.



The Wobble Saw for grooving up to ¹/₂" wide comprises a set of tapered washers with compensator for grooving.

See Price List for full details of all Units and Accessories available