PLENTY OF PROFILE.
If you need accurate profiles, you need a spindle moulding machine by Metabo. For we have the precise technology and the ergonomically placed adjustment elements that are required. With the TF 904 for example, all moulding depths can be adjusted precisely using scales. It also has a variably swivelling moulding spindle and two fence rulers that can be aligned precisely to the moulding tool. Simply everything fits.

e.g. TF 904

Moulding spindle can be swivelled variably from –10 to +30°.

Large grey cast iron table-top with 4 fastening holes for mounting the feed device.

Sturdy substructure made of torsion-resistant sheet steel for moulding at ideal operating height.

Can be used as edge and profile grinding machine by applying the lowest speed of 1800 rpm.

Integrated pressing fixture for the safe guidance of the workpiece.

Two fence rulers for the precise alignment on the moulding tool.

Adjustment element in convenient ergonomic holding position.

All moulding depths can be adjusted precisely using the scales.

Precise height adjustment: fine adjustment with „0 reset.”

Dust-proof moulding spindle bearing made of high quality materials.

The moulding spindle can be swivelled variably from –10 to +30°.
Special advantages
- For single phase alternating current
- For three phase current

Comparative device characteristics

<table>
<thead>
<tr>
<th></th>
<th>Spindle moulding machine</th>
<th>Spindle moulding machine</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TF 100 M - 2,2 WN</td>
<td>TF 100 M - 2,8 DN</td>
</tr>
<tr>
<td>Table size</td>
<td>523 x 423 mm</td>
<td>523 x 423 mm</td>
</tr>
<tr>
<td>Working height</td>
<td>850 mm</td>
<td>850 mm</td>
</tr>
<tr>
<td>Diameter of bench bore</td>
<td>150 mm</td>
<td>150 mm</td>
</tr>
<tr>
<td>Movable fence hood (max.)</td>
<td>30 mm</td>
<td>30 mm</td>
</tr>
<tr>
<td>Diameter of extraction adapter nozzle</td>
<td>100 mm</td>
<td>100 mm</td>
</tr>
<tr>
<td>Tool diameter (maximum)</td>
<td>150 mm</td>
<td>150 mm</td>
</tr>
<tr>
<td>Diameter of spindle</td>
<td>30 mm</td>
<td>30 mm</td>
</tr>
<tr>
<td>Spindle stroke</td>
<td>100 mm</td>
<td>100 mm</td>
</tr>
<tr>
<td>Spindle drive</td>
<td>V-ribbed belt</td>
<td>V-ribbed belt</td>
</tr>
<tr>
<td>Spindle speed</td>
<td>4,000/6,000/7,500 /min</td>
<td>4,000/6,000/7,500 /min</td>
</tr>
<tr>
<td>Motor protection</td>
<td>Circuit breakers</td>
<td>Circuit breakers</td>
</tr>
<tr>
<td>Motor speed</td>
<td>2,800 /min</td>
<td>2,800 /min</td>
</tr>
<tr>
<td>Rated input power</td>
<td>2,2 kW</td>
<td>2,8 kW</td>
</tr>
<tr>
<td>Output power</td>
<td>1,1 kW</td>
<td>1,8 kW</td>
</tr>
<tr>
<td>Weight</td>
<td>55 kg</td>
<td>55 kg</td>
</tr>
</tbody>
</table>

Standard equipment
- Pressure appliance, fence ruler, plug-in rings, moulding spindle nut, set-up tool

Type
- TF 100 M - 2,2 WN
  0141010000
  0141010026  230 V

- TF 100 M - 2,8 DN
  0141010018

Equipment features:
- Versatile settings and high precision by tried and tested technology
- Three different spindle speeds
- Particularly low-noise drive belt with long service life
- Infinitely height adjustable moulding spindle
- Moulding spindle in precision blocks on two bearings
- Pressure appliance for safe guidance of the workpiece
- Infinitely variable adjustment of fence hood
- Table-top made of aluminium cast iron for high precision
- Large range of accessories and moulding blades

Table-top made of aluminium cast iron for high precision
Large range of accessories and moulding blades
SPINDLE MOULDING MACHINES

EQUIPMENT FEATURES
- Versatile settings and high precision by tried and tested technology
- Drive by four-level belt drive
- Ergonomically placed adjusting elements
- Infinitely height adjustable moulding spindle
- Pressure appliance for safe guidance of the workpiece
- Fine adjustment with ‘0’ reset for the exact and convenient adjustment

Special advantages
- For single phase alternating current
- For three phase current
- Clockwise and anticlockwise rotation
- Mechanical motor brake

Comparative device characteristics
<table>
<thead>
<tr>
<th>Special features</th>
<th>TF 904 - 3,1 WNB</th>
<th>TF 904 - 2,8 DNB</th>
<th>TF 904 - 2,8 RDNB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moulding spindle infinitely swivellable from -10 to +30°</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Large sized, dust-proof moulding spindle groove bearing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exact height adjustment to 1/10 mm using hand wheel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Delivery of fence hood with toothed rack and adjusting wheel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fence rulers adjustable to the nearest millimetre</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimension setting can be read directly</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Large sized table-top made of grey cast iron</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Large range of accessories and moulding cutters</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Standard equipment
- Pressure appliance, fence ruler, plug-in rings, moulding spindle nut, hand guard, set-up tool

Type
- TF 904 - 3,1 WNB
- TF 904 - 2,8 DNB
- TF 904 - 2,8 RDNB

Order no.
- 0141090410
- 0141090402
- 0141090429

EQUIPMENT FEATURES...
- Versatile settings and high precision by tried and tested technology
- Drive by four-level belt drive
- Ergonomically placed adjusting elements
- Infinitely height adjustable moulding spindle
- Pressure appliance for safe guidance of the workpiece
- Fine adjustment with ‘0’ reset for the exact and convenient adjustment

Comparative device characteristics
- Moulding spindle infinitely swivellable from -10 to +30°
- Large sized, dust-proof moulding spindle groove bearing
- Exact height adjustment to 1/10 mm using hand wheel
- Delivery of fence hood with toothed rack and adjusting wheel
- Fence rulers adjustable to the nearest millimetre
- Dimension setting can be read directly
- Large sized table-top made of grey cast iron
- Large range of accessories and moulding cutters

Standard equipment
- Pressure appliance, fence ruler, plug-in rings, moulding spindle nut, hand guard, set-up tool

Type
- TF 904 - 3,1 WNB
- TF 904 - 2,8 DNB
- TF 904 - 2,8 RDNB

Order no.
- 0141090410
- 0141090402
- 0141090429
# ACCESSORIES FOR TF 100

## Table length extensions

<table>
<thead>
<tr>
<th>Table length extension</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>For processing long workpieces</td>
<td>0914003598</td>
</tr>
<tr>
<td>Always required for charging moulding</td>
<td></td>
</tr>
<tr>
<td>Complete with base and adjustable fence</td>
<td></td>
</tr>
<tr>
<td>Can be mounted on right or left side</td>
<td></td>
</tr>
<tr>
<td>Length: 1.000 mm</td>
<td></td>
</tr>
</tbody>
</table>

## Sliding table

<table>
<thead>
<tr>
<th>Sliding table</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>For safe transverse moulding, e.g. the slotting and spot-facing of tenons</td>
<td>0914015600</td>
</tr>
<tr>
<td>On ball bearings with length stop, adjustable up to 45°</td>
<td></td>
</tr>
<tr>
<td>Workpiece clamp with eccentric clamping device 0910009680</td>
<td></td>
</tr>
<tr>
<td>Table size: 335 x 240 mm</td>
<td></td>
</tr>
<tr>
<td>Overall length: 520 mm</td>
<td></td>
</tr>
</tbody>
</table>

## Eccentric clamping device without stand

<table>
<thead>
<tr>
<th>Eccentric clamping device without stand</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>For clamping the workpiece</td>
<td>0910009680</td>
</tr>
</tbody>
</table>

## Clamping stand for sliding table

<table>
<thead>
<tr>
<th>Clamping stand for sliding table</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required for mounting the eccentric clamping device 0910009680</td>
<td></td>
</tr>
<tr>
<td>Ø 20x210mm thread M14mm</td>
<td></td>
</tr>
</tbody>
</table>

## ACCESSORIES FOR TF 904

## Wheel Set

<table>
<thead>
<tr>
<th>Wheel Set</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>For easy transportation</td>
<td>0914016134</td>
</tr>
</tbody>
</table>

## Table length extensions

<table>
<thead>
<tr>
<th>Table length extension</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>For processing long workpieces</td>
<td>0914005329</td>
</tr>
<tr>
<td>Always required for charging moulding</td>
<td></td>
</tr>
<tr>
<td>Complete with base and adjustable fence</td>
<td></td>
</tr>
<tr>
<td>Can be mounted on right or left side</td>
<td></td>
</tr>
<tr>
<td>Length: 1.000 mm</td>
<td></td>
</tr>
</tbody>
</table>

## Power feed unit

<table>
<thead>
<tr>
<th>Power feed unit</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>The handy feeder with 3 feed rollers compensates material thickness differences up to 12 mm</td>
<td></td>
</tr>
<tr>
<td>The universal stand with quick adjustment is adjustable horizontally, vertically and angular</td>
<td></td>
</tr>
<tr>
<td>The three feed rollers are spring-mounted individually and are driven by a powerful motor</td>
<td></td>
</tr>
<tr>
<td>Can switch between forward and return stroke</td>
<td></td>
</tr>
<tr>
<td>Rated input power: 140 W</td>
<td></td>
</tr>
<tr>
<td>Mains voltage: 220-230 V</td>
<td></td>
</tr>
<tr>
<td>Mains frequency: 50 Hz</td>
<td></td>
</tr>
<tr>
<td>Feed rate: 4/8/10/19 m/min</td>
<td></td>
</tr>
<tr>
<td>Height adjustment: 250 mm</td>
<td></td>
</tr>
</tbody>
</table>
Moulding protective device for arc moulding

- Enables the moulding of curved and similarly shaped workpieces
- With the moulding protective device, the TF 904 possesses the GS "dust-tested" mark
- Suction connection Ø 120 mm including small arc moulding fence and suction adapter Ø 120 mm / Ø 100 mm

Positioning fixture for arc moulding fence
For exact alignment of the moulding protective device to the spindle

Small arc moulding fence
- Feeds the workpiece to the moulding tool

Big arc moulding fence
- Feeds the workpiece to the moulding tool

Grinding cylinder

- Ideal for grinding straight and curved workpieces
- Always a straight grinding surface
- No abrasive sleeves required
- Commercial linen sandpaper can be used
  Grinding cylinder height: 100 mm
  Grinding width: 80 mm
  Diameter: 60 mm
  Spindle holder: 30 mm
  Max. speed: 4500 rpm
  Suitable for: TF 904

Profile grinding discs

- Can be used for all types of wood
- Grinds extremely cool
- Long service life (up to 10 000 m)
- Excellent grinding profile
- The profile can be ground itself and constantly adapts to the pre-milled shape
- Much faster than grinding by hand
- Can be used on the TF 904 at 1800 rpm

Carbide straight bit

- For grooving all kinds of wood and panel materials
- Carbide-tipped straight bit
- Groove depth max. 25 mm
- BG-wood tested

Groove width mm | Diameter mm | Bore mm | Order no.
---|---|---|---
4 | 100 | 30 | 0914031095
6 | 100 | 30 | 0914031117
8 | 100 | 30 | 0914031125
10 | 100 | 30 | 0914031133
12 | 100 | 30 | 0914031141
14 | 100 | 30 | 0914031159
16 | 100 | 30 | 0914031168
18 | 100 | 30 | 0914031176
20 | 100 | 30 | 0914031184

Carbide straight bit, adjustable

- For the grooving of hard woods and soft woods as well as all panel materials
- Carbide-tipped for diagonal and longitudinal grooves in solid wood
- By inserting intermediate rings, the moulding width can be varied
- Upper and lower parts each have 2 broaching edges and 2 rough cutters
- Especially suitable for hand feed jobs
- BG-wood tested
  Groove depth max. 38 mm
  Groove width: 4 - 75 mm
  Diameter: 150 mm
  Bore: 30 mm

HSS glue joint profile cutter

- For establishing glued joints in hard and soft woods
- Especially for larger cross-sections for the end toothing of workpieces
- HSS-tipped
- BG-wood tested
  Height: 45 mm
  Diameter: 120 mm
  Bore: 30 mm

Profile grinding discs

<table>
<thead>
<tr>
<th>Diameter mm</th>
<th>Thickness mm</th>
<th>Bore mm</th>
<th>Grit</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>30</td>
<td>30</td>
<td>P 80</td>
<td>0914016185</td>
</tr>
<tr>
<td>150</td>
<td>40</td>
<td>30</td>
<td>P 80</td>
<td>0914016207</td>
</tr>
<tr>
<td>150</td>
<td>50</td>
<td>30</td>
<td>P 80</td>
<td>0914016223</td>
</tr>
<tr>
<td>150</td>
<td>60</td>
<td>30</td>
<td>P 80</td>
<td>0914016240</td>
</tr>
</tbody>
</table>

Inner support flange

- Essential when using the profile disc

Inner support flange for profile grinding discs (2 units) 0914015111
Reversible blades - rebating blade head

- For chamfering, joining and rebating on all boards
- With 2 carbide reversible blades and 4 carbide reversible rough cutters
- Simple replacement of the reversible blades and rough cutters
- Suitable for hand feed jobs
- Limited chip thickness and little backlash
- BG-wood tested

Spare blades for reversible blades, rebating blade head

<table>
<thead>
<tr>
<th>Height (mm)</th>
<th>Diameter (mm)</th>
<th>Bore (mm)</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>100</td>
<td>30</td>
<td>0914004128</td>
</tr>
<tr>
<td>50</td>
<td>125</td>
<td>30</td>
<td>0914007895</td>
</tr>
</tbody>
</table>

Reversible blades for rebating blade head (1 pair)

- For rebating blade head 0914004128 (as spare)
  - Length: 30 mm
  - Height: 12 mm
  - Thickness: 1,5 mm

Reversible blades for rebating blade head (1 pair)

- For rebating blade head 914007895 (as spare)
  - Length: 50 mm
  - Height: 12 mm
  - Thickness: 1,5 mm

Reversible rough cutters for rebating blade head (1 pair)

- For rebating blade head 0914007895 and rebating blade head 0914004128 (as spare)
  - Length: 14 mm
  - Height: 14 mm
  - Thickness: 2 mm

Reversible plates - swivel blade head

- For chamfering, joining, rebating and mitre sawing on all kinds of boards
- Swivelling blade head with 2 carbide reversible blades
- Reversible blades can be swivelled to both sides in 5° increments up to a max. of 60°
- Limited chip thickness, little backlash, particularly suitable for manual feed jobs
- Simple replacement of reversible plates
- BG-wood tested

Spare blades for reversible blades - swivel blade head

<table>
<thead>
<tr>
<th>Height (mm)</th>
<th>Diameter (mm)</th>
<th>Bore (mm)</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>120</td>
<td>30</td>
<td>0914004136</td>
</tr>
</tbody>
</table>

Reversible blades for swivel blade head (1 pair)

- For swivel blade head 0914004136 (as spare)
  - Length: 40 mm
  - Height: 12 mm
  - Thickness: 1,5 mm

Panel raising cutter

- For flattening furniture doors and room doors as well as filling, parallel and at right angles to the grain
- Allows profile variants by resourceful attachment of the tool
- Particularly suitable for non-bonded solid woods
- Carbide-tipped
- BG-wood tested

Counter profile moulding cutter set (3-piece)

- For a variety of profiles and counter profiles in solid woods and wood materials
- Set consisting of 3 different moulding cutters designed to complement each other
- Little backlash for manual feed
- Carbide-tipped
- BG-wood tested

Counter profile moulding cutter set (5-piece)

- For a variety of profiles in solid woods and boards
- Set consisting of 5 different moulding cutters designed to complement each other
- Little backlash for manual feed
- Carbide-tipped
- BG-wood tested

Multicut profile cutter

- For a variety of profiles in solid woods and boards
- Set consisting of 5 different moulding cutters designed to complement each other
- Little backlash for manual feed
- Carbide-tipped
- BG-wood tested

Multicut 5 profile cutter set (5-piece)

- Speed range: 6000 - 11000 rpm
- Diameter: 120 mm
- Bore: 30 mm

Keyway cutter, adjustable

- Keyway cutter
  - For the grooving of hard wood and soft wood as well as all panel materials
  - By inserting intermediate rings, the moulding width can be varied
  - HSS-tipped
  - BG-wood tested

Panel raising cutter

- Keyway cutter
  - For the grooving of hard wood and soft wood as well as all panel materials
  - By inserting intermediate rings, the moulding width can be varied
  - HSS-tipped
  - BG-wood tested
  - Can be inserted on the TF 904
  - Speed range: 4000-6000 rpm
  - Groove depth: 72 mm
  - Groove width: 8 - 15 mm
  - Diameter: 200 mm
  - Bore: 30 mm

Counter profile moulding cutter set

- Keyway cutter
  - For the grooving of hard wood and soft wood as well as all panel materials
  - By inserting intermediate rings, the moulding width can be varied
  - HSS-tipped
  - BG-wood tested
Universal moulding cutter head

- Provides versatile design options by interchangeable profile blades
- Limited chip thickness and little backlash
- Suitable for hand feeding
- BG-wood tested

Universal moulding cutter head
In wooden case complete with blade pair and deflector pair No. 0
Height: 40 mm
Diameter: 96 mm
Bore: 30 mm
Order no. 0914056128

Universal moulding cutter head
In wooden case complete with blade pairs and deflector pairs Nos. 0, 1, 3, 13, 16, 17, 21
Height: 40 mm
Diameter: 96 mm
Bore: 30 mm
Order no. 0914056110

Profile blade and deflector for universal moulding cutter head 40 mm wide

<table>
<thead>
<tr>
<th>Profile blade</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Profile blade blanks</td>
<td>0914029296</td>
</tr>
<tr>
<td>Deflector blanks</td>
<td>0914029309</td>
</tr>
<tr>
<td>Profile blade BG No. 0</td>
<td>0914029686</td>
</tr>
<tr>
<td>Deflector BG No. 0</td>
<td>0914030056</td>
</tr>
<tr>
<td>Profile blade BG No. 1</td>
<td>0914029694</td>
</tr>
<tr>
<td>Deflector BG No. 1</td>
<td>0914030064</td>
</tr>
<tr>
<td>Profile blade BG No. 3</td>
<td>0914029716</td>
</tr>
<tr>
<td>Deflector BG No. 3</td>
<td>0914030080</td>
</tr>
<tr>
<td>Profile blade BG No. 11</td>
<td>0914029791</td>
</tr>
<tr>
<td>Deflector BG No. 11</td>
<td>0914030161</td>
</tr>
<tr>
<td>Profile blade BG No. 13</td>
<td>0914029813</td>
</tr>
<tr>
<td>Deflector BG No. 13</td>
<td>0914030188</td>
</tr>
<tr>
<td>Profile blade BG No. 16</td>
<td>0914029848</td>
</tr>
<tr>
<td>Deflector BG No. 16</td>
<td>0914030218</td>
</tr>
<tr>
<td>Profile blade BG No. 17</td>
<td>0914029856</td>
</tr>
<tr>
<td>Deflector BG No. 17</td>
<td>0914030226</td>
</tr>
<tr>
<td>Profile blade BG No. 21</td>
<td>0914029899</td>
</tr>
<tr>
<td>Deflector BG No. 21</td>
<td>0914030269</td>
</tr>
<tr>
<td>Profile blade BG No. 35</td>
<td>0914030030</td>
</tr>
<tr>
<td>Deflector BG No. 35</td>
<td>0914030404</td>
</tr>
<tr>
<td>Glue joint profile blade BG No. 75</td>
<td>0914030420</td>
</tr>
<tr>
<td>For establishing glued joints</td>
<td></td>
</tr>
<tr>
<td>Deflector glue joint profile blade No. 75</td>
<td>0914030439</td>
</tr>
<tr>
<td>For establishing glued joints</td>
<td></td>
</tr>
</tbody>
</table>