BEVELLING MACHINES

BM21 PORTABLE BEVELLER
BM21S STAINLESS STEEL BEVELLER

- Single milling head with 10 indexable inserts
- 0° to 60° working range
- 1600W induction motor
- 21mm maximum bevel width

ABM28 AUTOMATIC FEED BEVELLING MACHINE

- Automatic track feed machine
- Plate thickness up to 35mm, 70mm with optional accessories
- Bevelling angle 60° to -60°
- Facing at 0°
- Can also create J-groove bevels

PRO 5 PB PORTABLE PIPE BEVELLER

- I.D. mounted pipe bevelling machine
- Available with either a pneumatic motor or electric motor
- 32mm I.D. minimum pipe capacity
- 114mm O.D. maximum pipe capacity

PRO 10 PB PORTABLE PIPE BEVELLER

- European made pipe bevelling machine designed for portable use in pipe machining operations
- Simultaneously perform 3 of the following operations - internal bevel, external bevel, J-groove, face off, chamfer, counterbore
- Standard pipe machining range 84mm to 269mm I.D.
- 38mm to 392mm I.D. with optional accessories

PRO 40 PBS PIPE BEVELLING MACHINE

- Large diameter stationary machine for bevelling and facing pipes, tanks and tubes
- 200mm to 1000mm diameter capacity
- Maximum O.D. bevel width up to 45mm between 0° and 60°
- Maximum I.D. beveling width up to 5mm, & up to 20mm with optional milling head, within a range of angles from 0° to -60°
- User-friendly control panel
GECKO FILLET WELDING CARRIAGE

- Heavy duty European made portable fillet welding carriage designed to produce consistent high-quality welds
- 4-wheel drive with magnetic base allows for vertical & horizontal welding
- Constant, continuous and repeatable travel speed with closed loop speed stabilisation system
- Multifunctional LED display
- Compact and lightweight design with durable cast aluminum housing
- Torch Holder mechanism for different types of MIG/MAG torches with diameters of 16 - 22mm
- 0-1100mm/min horizontal speed
- Self-guiding roller arms

LIZARD PROGRAMMABLE FILLET WELDING CARRIAGE

- Simple to use multifunction LED display for programming welding patterns & parameters including travel speed, weld length, skip length, total length, reverse fill & crater fill time. These setting can be saved, & up to 40 different programs can be stored
- Continuous and stitch weld capability
- Oscillation Attachment available
- 4-wheel drive with magnetic base for vertical welding
- Accepts MIG/MAG torches with diameters of 16 - 22mm
- Closed loop speed control system
- 0-1200mm/min horizontal speed

DRAGON CUTTING & BEVELLING OXY - FUEL CARRIAGE

- Cutting & beveling from 0° to 45°
- Advanced speed control system with LED readout of actual and set speed
- 0-1500mm/min cutting speed
- Travels on rail or direct on work piece
- Wide assortment of accessories available
BM21
PORTABLE BEVELLER

Overview
The BM21 is the latest generation portable bevelling machine, for machining plates and pipes prior to welding. This new and improved design offers a number of innovative solutions that increase ergonomics and ensure even more comfort and work safety of the operator. Also available is the BM21S Bevelling Machine, specifically designed for working with stainless steel.

Features
• New single milling head equipped with 10 indexable inserts, that makes the machining process far more efficient with little operator’s effort
• Extended working range from 0 to 60 degrees with continuous angle adjustment
• Easy setting of chamfer angle and bevel width
• One universal guideline for bevelling both plates and pipes
• Bevels pipes 150 - 300mm diameter, optional attachment available for bevelling pipes 260-600mm diameter
• 4 vibration isolators protect both the operator and electronics of the machine against harmful vibration
• Unique BM21S features include a low speed (grey colour) motor, plus guide plate and guide rolls made of stainless steel

Specifications

<table>
<thead>
<tr>
<th>Part No.</th>
<th>WA-BM21</th>
<th>WA-BM21S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Induction Motor</td>
<td>1600W</td>
<td>1600W</td>
</tr>
<tr>
<td>Grinding Angle</td>
<td>0-60°</td>
<td>0-60°</td>
</tr>
<tr>
<td>Speed</td>
<td>2800rpm</td>
<td>1360rpm</td>
</tr>
<tr>
<td>Weight</td>
<td>20kg</td>
<td>20kg</td>
</tr>
</tbody>
</table>

Maximum Bevel Width

<table>
<thead>
<tr>
<th>A</th>
<th>0°</th>
<th>15°</th>
<th>30°</th>
<th>45°</th>
<th>60°</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>21mm</td>
<td>18.5mm</td>
<td>18.5mm</td>
<td>21mm</td>
<td>18.5mm</td>
</tr>
</tbody>
</table>

Optional Accessories & Consumables

- WAP-B010  • Replacement cutting tips for hardened steels (10 required)
- WAP-B020  • Replacement standard cutting tips (10 required)
- WAP-B20/4020 • Large pipe attachment for 260mm - 600mm pipe
Overview
The ABM28 is an automatic track feed bevelling machine designed for milling edges of plates up to 35mm thick with the standard equipment supplied, and up to 70mm with optional accessories. The intelligent design provides a very fast and effortless setup, and delivers perfect results with minimal operator effort or skill. The automatic feed and controlled travel speed helps to increase productivity and eliminate operator error.

With the variable travel speed control, the ABM28 can mill all types of metal including stainless, aluminium and composites. It can also mill plates in both directions eliminating unnecessary “empty journeys”. The ABM28 is equipped with an overload control system to protect the machine, the tooling and the operator. The length of the guide track can be extended to any required length.

The bevelling angle can be set between -60° and 60°, including facing at 0°. This allows both the top and underside of the plate to be bevelled without moving the material. Using optional accessories, the ABM28 can also create J-groove bevels.

Specifications

<table>
<thead>
<tr>
<th>Part No.</th>
<th>WA-ABM28</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plate Thickness</td>
<td>10mm minimum to 35mm maximum, 70mm with optional attachment</td>
</tr>
<tr>
<td>Machining Angle</td>
<td>-60° to 60°</td>
</tr>
<tr>
<td>Motor</td>
<td>1600 Watt 240V 2800rpm</td>
</tr>
<tr>
<td>Dimensions</td>
<td>1211 W x 532 H x 619 D</td>
</tr>
</tbody>
</table>

Maximum Bevel Width

<table>
<thead>
<tr>
<th>A</th>
<th>0°</th>
<th>30°</th>
<th>45°</th>
<th>60°</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>35mm</td>
<td>30mm</td>
<td>28mm</td>
<td>30mm</td>
</tr>
</tbody>
</table>

Optional Accessories & Consumables

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WAP-B010</td>
<td>Replacement cutting tips for hardened steels (10 required)</td>
</tr>
<tr>
<td>WAP-B020</td>
<td>Replacement standard cutting tips (10 required)</td>
</tr>
<tr>
<td>WAP-B28/6130</td>
<td>Lever Clamp for plate up to 35mm thick</td>
</tr>
<tr>
<td>WAP-B28/6140</td>
<td>Lever Clamp for plate up to 70mm thick</td>
</tr>
<tr>
<td>WAP-B28/6150</td>
<td>Positioner unit for plate up to 35mm thick</td>
</tr>
<tr>
<td>WAP-B28/6160</td>
<td>Positioner unit for plate up to 70mm thick</td>
</tr>
<tr>
<td>WAP-B28/6170</td>
<td>Rail segment 1200mm long</td>
</tr>
<tr>
<td>WAP-B28/6180</td>
<td>Milling unit support for bevelling 35-70mm 0 ° to 60°</td>
</tr>
<tr>
<td>WAP-B28/6190</td>
<td>Milling unit support for bevelling 35-70mm 0 ° to -60°</td>
</tr>
</tbody>
</table>

Package Includes

<table>
<thead>
<tr>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bevelling Machine</td>
</tr>
<tr>
<td>1200mm Track Segment x 2</td>
</tr>
<tr>
<td>Track Clamp x 2</td>
</tr>
<tr>
<td>35mm Lever Clamp x 3</td>
</tr>
<tr>
<td>Standard Milling Unit Support</td>
</tr>
</tbody>
</table>
PRO 5 PB
PORTABLE PIPE BEVELLER

Overview
The Trademaster PRO 5 PB is a European made I.D. mounted pipe bevelling machine, designed for portable use by a single operator. The self-centring expandable mandrel provides quick and correct alignment to pipe or tube prior to machining operations.

The Pro 5 PB is able to simultaneously perform 3 of the following operations - external bevel, internal bevel, face off, I.D. chamfer, J-groove bevel, and counterbore. Available with either a pneumatic motor or high torque electric motor.

Specifications
Pipe machining range:
- 32mm I.D. minimum pipe capacity
- 114mm O.D. maximum pipe capacity

Package Includes
- PRO 5 PB Bevelling Machine
- Mandrel 32mm I.D. to 114mm O.D.
- Set of jaw blocks

Optional Accessories
Flange Turning Attachment
Cutting capacities 50 to 260mm

CUTTING INSERTS
HIGH SPEED STEEL

[Diagram showing cutting insert details]
PRO 10 PB
PORTABLE PIPE BEVELLER

Overview
The Trademaster PRO 10 PB is a European made I.D. mounted portable pipe bevelling machine. Although it is a large capacity heavy duty machine, it can be used efficiently by a single operator, weighing in at a total of just 31.5kg. The self-centring expandable mandrels provide quick and correct alignment to pipe. The PRO 10 PB can simultaneously perform 3 of the following operations — internal bevel, external bevel, J-groove bevel, face off, chamfer and counterbore. Whilst the machine can be operated with just 1 cutting insert, optimal results are achieved by using 3 cutting inserts at once.

The PRO 10 PB is available with either a pneumatic motor or high torque electric motor.

Package Includes
- PRO 10 PB Bevelling Machine
- Mandrel for pipe 84mm I.D. to 269mm I.D.
- Jaw block set no. 1 to 6
- Toolbox & tools
- Coolant bottle

Specifications

<table>
<thead>
<tr>
<th>Part No.</th>
<th>WA-PRO10PBA</th>
<th>WA-PRO10PBE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor</td>
<td>Pneumatic Motor 1.5kw</td>
<td>Electric Motor 1.8kw</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>1750 l/min at 630 kPa</td>
<td>230V/50Hz</td>
</tr>
<tr>
<td>Spindle Speed</td>
<td>20rpm</td>
<td>2 speed gearbox with electronic variable speed 12-28; 41-96rpm</td>
</tr>
<tr>
<td>Weight (with standard mandrel)</td>
<td>32.0kg</td>
<td>36.0kg</td>
</tr>
</tbody>
</table>

www.industrialtool.com.au
VIEW THE DEMO AT
7
PRO 10 PB

(continued)

MACHINE WORKING RANGE

PIPE BEVELLING & FACING RANGE - STANDARD

<table>
<thead>
<tr>
<th>With standard equipment</th>
<th>I.D. 84 - 269mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tooling Reach 292mm</td>
</tr>
</tbody>
</table>

| Maximum wall thickness | 20mm |

PIPE BEVELLING & FACING RANGE - WITH OPTIONAL ATTACHMENTS

<table>
<thead>
<tr>
<th>With optional Small Expanding Mandrel Set (Part No. WAP-PB10/510)</th>
<th>PIPE I.D. 38 - 86mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tooling Reach 292mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>With optional Large Expanding Mandrel Set (Part No. WAP-PB10/540)</th>
<th>PIPE I.D. 126 - 296mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tooling Reach 292mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>With optional Range Increasing Set (Part No. WAP-PB10/550)</th>
<th>PIPE I.D. 192 - 365mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tooling Reach 372mm</td>
</tr>
</tbody>
</table>

FLANGE TURNING RANGE - WITH OPTIONAL ATTACHMENTS

<table>
<thead>
<tr>
<th>With standard mandrel &amp; optional Flange Turning Attachment (Part No. WAP-PB10/520)</th>
<th>PIPE I.D. 84 - 269mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tooling Range 90-508mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>With optional Flange Turning Attachment (Part No. WAP-PB10/520) &amp; optional Large Expanding Mandrel Set (Part No. WAP-PB10/540) &amp; optional Range Increasing Set (Part No. PB10/550)</th>
<th>PIPE I.D. 219 - 392mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tooling Range 90-508mm</td>
</tr>
</tbody>
</table>

CUTTING INSERTS

HIGH SPEED STEEL
PRO 10 PB

(continued)

OPTIONAL ATTACHMENTS

SMALL EXPANDING MANDREL SET
Part # WAP-B10/510

Specifications
• Enables machining of pipe 38 to 86mm I.D.
• 292mm tooling reach
• Includes jaw blocks #1 to #5

FLANGE TURNING ATTACHMENT
Part # WAP-B10/520
Part # WAP-B10/520/INSERT (Indexable carbide insert to suit)

Overview
Flange turning attachment using indexable carbide inserts with cutting capacities 90 to 508mm diameter. The machine can mill inwards or outwards at a feed rate of 0.33mm or 0.66mm per revolution, using a bumper system to automatically feed the carbide insert with each revolution of the machine.

Specifications
• Minimum milling diameter: 90mm
• Maximum milling diameter: 508mm
• Feed rate: 0.33mm per revolution using 1 bumper or 0.66mm per revolution using 2 bumpers
• Recommended maximum milling depth: 0.5mm per pass

RANGE INCREASING SET
Part # WAP-B10/550

Overview
Extension set designed to increase the machining range up to 365mm I.D. Includes 3 steel tool bit holders to increase the tooling reach to 372mm, and jaw blocks #7 to #12 to increase the pipe range to 192 - 365mm I.D. Supplied in a metal box.

Specifications
• Enables machining of pipe 192 - 365mm I.D. with standard mandrel fitted
• 372mm tooling reach

OVAL PIPE ATTACHMENT
Part # WAP-B10/530

Overview
Attachment for bevelling and facing oval shaped pipe. The spring loaded guide roller rotates on the I.D. of the pipe, and allows the cutting insert to move in and out with the oval pipe up to 15mm.

Specifications
• 84 - 269mm I.D. with standard jaw block set
• 126 - 296mm I.D. with optional Large Expanding Mandrel Set (WAP-B10/540)

LARGE EXPANDING MANDREL SET
Part # WAP-B10/540

Overview
Specifically designed to be used with optional Flange Turning Attachment (WAP-PB10/520) & Range Increasing Jaw Block Set (WAP-PB10/550) for flange turning on pipe up to 392mm I.D. and turning range up to 508mm diameter.

Specifications
• 126 - 296mm I.D. with standard jaw block set
• 292mm tooling reach
PRO 40 PBS
PIPE BEVELLING MACHINE

Overview
The PRO 40 PBS is designed for bevelling and facing pipes, tanks and tubes in a range of diameters from 200mm to 1000mm. A high-speed rotary milling head with replaceable inserts enables effective and efficient machining with bevel widths up to 45mm and angles between 0° and 60°. Internal bevelling and J-groove end preparation is an available option.

The use of a heavy duty milling head in the PRO 40 PBS offers accurate bevels in a fraction of the time compared to traditional single point machining. This feature saves time and money as well as improving accuracy.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>PRO40PBS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>Single Phase 240V</td>
</tr>
<tr>
<td>External pipe diameter range</td>
<td>200 - 1000mm pipes longer than 830mm; 200 - 600mm pipes of 400-830mm length</td>
</tr>
<tr>
<td>Maximum pipe weight</td>
<td>6 000 kg with standard plastic rollers on active support 10 000 kg with optional steel rollers on active support</td>
</tr>
<tr>
<td>Min. pipe thickness</td>
<td>5mm</td>
</tr>
<tr>
<td>Pipe fixing</td>
<td>Mechanical with chain</td>
</tr>
<tr>
<td>Feed rate</td>
<td>100-1100 mm/min</td>
</tr>
<tr>
<td>Bevelling angle range</td>
<td>0-60° with continuous angle adjustment</td>
</tr>
<tr>
<td>Max OD bevel width</td>
<td>45mm</td>
</tr>
<tr>
<td>Max ID bevel width</td>
<td>5mm standard, up to 20mm - Optional</td>
</tr>
<tr>
<td>Bevelling type “J”</td>
<td>YES - Optional</td>
</tr>
<tr>
<td>“J” type beveling radius</td>
<td>6mm or 8mm</td>
</tr>
<tr>
<td>Weight</td>
<td>1100 KG</td>
</tr>
</tbody>
</table>

www.industrialtool.com.au
VIEW THE DEMO AT
10
**Features**

- **Maximum O.D. bevel width up to 45mm within a range of angles from 0° to 60°**
- **Maximum I.D. bevelling width up to 5mm, up to 20mm with optional milling head, within a range of angles from 0° to -60°**
- **Optional J-groove milling head available with either 6 or 8mm radius**
- **Clamping device for short pipes 400 - 830mm length**
- **Adjustable chain (ø 200 -1000mm) ensures positive axial rotation**
- **User-friendly control panel**
- **Heavy-duty adjustable pipe support (ø 200 -1000mm)**
- **Shields and internal lighting increase safety and comfort of the operator**

**Optional Accessories & Consumables**

- **WAP-B40/8010** • Standard Milling head
- **WAP-B020** • Replacement standard cutting tips (7 required)
- **WAP-B010** • Cutting tips for hard steels (7 required)
- **WAP-B40/8020** • J-groove R6 milling head
- **WAP-B40/8040** • J groove R6 cutting tip (6 required)
- **WAP-B40/8030** • J-groove R8 milling head
- **WAP-B50/8050** • J groove R8 cutting tip (5 required)

**Operations With Optional Heads**

- **J-groove Bevelling**
- **Internal Bevelling**

*Dimensions shown are with 1400mm length pipe*
GECKO
FILLET WELDING CARRIAGE

Overview
The Trademaster Gecko is a heavy duty European made portable fillet welding carriage designed to produce consistent high quality welds.

It features a 4-wheel drive system with magnetic traction and a control loop feedback mechanism which provides speed stabilisation in all welding positions.

Constant, continuous and repeatable travel speed enables weld bead geometry that is exact to the required specifications, thus substantially reducing costly over welding and decreasing filler metal usage.

Features
• Compact & lightweight design with durable cast aluminum housing
• Permanent magnet clamping system with on/off lever ensures positive magnetic traction
• Maintenance free 4-wheel drive with worm gear reduction
• Quick clamping torch holder mechanism for different types of MIG/MAG torches with diameters of 16 - 22mm (5/8" - 7/8")
• Precise torch adjustment with screw drive cross slide
• Multifunctional LED display - presetting of travel speed, metric & imperial units, error codes information
• Closed loop speed control system stabilises travel speed to reduce weld defects and costly rework
• Consistent heat input reduces distortion
• Automatic ARC ON/OFF system initiates welding with travel, simultaneously
• Self-guiding roller arms eliminate the need for track
• Improves working environment - removes operator from heat and fumes

Optional Accessories & Consumables

<table>
<thead>
<tr>
<th>Part No.</th>
<th>WA-GECKO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>115-230VAC / 50-60Hz</td>
</tr>
<tr>
<td>Welding positions</td>
<td>Vertical / Horizontal</td>
</tr>
<tr>
<td>Chassis to material clearance</td>
<td>4mm</td>
</tr>
<tr>
<td>Travel mechanism</td>
<td>Friction drive with worm gear reduction, 4 wheel drive, heat resistant silicone wheels</td>
</tr>
<tr>
<td>Tracking method</td>
<td>2-guide rollers</td>
</tr>
<tr>
<td>Torch adjustment</td>
<td>Up-down 35mm, left-right 35mm</td>
</tr>
<tr>
<td>Gear roller adjustment</td>
<td>100mm</td>
</tr>
<tr>
<td>Horizontal speed</td>
<td>0-1100mm/min</td>
</tr>
<tr>
<td>Vertical speed</td>
<td>0-1000mm/min</td>
</tr>
<tr>
<td>Dimensions</td>
<td>240mm (L) x 258mm (W) x 253mm (H)</td>
</tr>
<tr>
<td>Weight</td>
<td>8kg</td>
</tr>
</tbody>
</table>

Package Includes
• Welding carriage
• Torch holder
• Arc ignition cable
• 4mm Allen key
• Operator’s manual

www.industrialtool.com.au
VIEW THE DEMO AT
190mm
277mm
4mm
84mm
182mm
173 - 208mm
213 - 313mm
240mm
258mm

Dual Torch Mount
WAP-G2010
Enables mounting of a second torch for dual sided fillet welding

Adjustable Guide Arms
WAP-G2040
Enables guiding on lap joints and templates

Torch Extension Arm
WAP-G2020
Enables extended reach for torch placement

Edge Guide Arms
WAP-G2030
Enables guiding off an outside edge

Short Torch Arm
WAP-G2050
110mm Length, designed to be used with torch clamp to hold welding torch

Long Torch Arm
WAP-L4030
230mm Length, designed to be used with torch clamp to hold welding torch
LIZARD
PROGRAMMABLE FILLET WELDING CARRIAGE

Overview
The Trademaster Lizard is a heavy duty European made portable welding carriage designed to produce consistently high quality welds. The Lizard features programmable welding patterns and parameters, and an optional oscillating attachment is available. The unit enables weld bead geometry that is exact to the required specifications, thus substantially reducing costs.

Features
- Simple to use multifunction LED display for programming welding patterns & parameters including travel speed, weld length, skip length, total length, reverse fill & crater fill time. These settings can be saved, & up to 40 different programs can be stored.
- Continuous and stitch weld capability
- Compact & lightweight design with durable cast aluminum housing
- Permanent magnet clamping system with on/off lever ensures positive magnetic traction
- Maintenance free 4-wheel drive with worm gear reduction
- Friction drive and control loop feedback mechanism provides speed stabilisation in all positions, to reduce weld defects
- Automatic off limit switches on both ends of machine
- Automatic ARC ON/OFF system initiates welding and travel, simultaneously
- Quick clamping torch holder mechanism for different types of MIG/MAG torches with diameters of 16 - 22mm (5/8" - 7/8’’); optionally up to 35mm (1-3/8”)
- Precise torch adjustment with screw drive cross slide
- Consistent heat input reduces distortion
- Self-guiding roller arms eliminate the need for track
- Improves working environment - removes operator from heat and fumes

Oscillation Attachment
A critical optional feature of the LIZARD is the oscillation attachment. This attachment significantly increases the functionality of the Lizard welding carriage by allowing it to operate in most out of position applications.
- Oscillation type: Angular max 11°
- Amplitude R-150mm: 2-30mm
- Frequency: 12-115 cycles/min
- Delay at ends: 0-3 secs
- Weight: 2.5kg
- Part#: WA-L4000

Package Includes
- Welding carriage
- Power lead
- Arc ignition cable
- Cable holder
- Torch Holder
- Lower Torch Holder
- 4 mm Allen key
- Operator’s manual

Optional Accessories & Consumables
- **Dual Torch Mount**
  - WAP-G2010
  - Enables mounting of a second torch for dual sided fillet welding

- **Torch Extension Arm**
  - WAP-G2020
  - Enables extended reach for torch placement

- **Adjustable Guide Arms**
  - WAP-L4020
  - Enables guiding on lap joints and templates

- **Torch Arms**
  - WAP-G2050 (110mm Length)
  - WAP-L4030 (230mm Length)
  - Designed to be used with torch clamp to hold welding torch

- **Edge Guide Arms**
  - WAP-L4010
  - Enables guiding off an outside edge

- **Large Torch Clamp**
  - WAP-4040
  - Designed to hold large diameter torches 22 - 35mm

Power supply 115-230VAC / 50-60Hz
Welding positions Vertical / Horizontal
Chassis to material clearance 5mm
Travel mechanism Friction drive with worm gear reduction, 4 wheel drive, heat resistant silicone wheels
Tracking method 2-guide rollers
Torch adjustment Up-down 35mm, left - right 35mm
Gear roller adjustment 75mm
Horizontal speed 0-1200mm/min
Vertical speed 0-1100mm/min
Dimensions 282mm (L) x 272mm (W) x 390mm (H)
Weight 13.5kg

www.industrialtool.com.au
VIEW THE DEMO AT
DRAGON
CUTTING & BEVELLING
OXY - FUEL CARRIAGE

Overview
The Trademaster Dragon is designed to carry a range of oxy-fuel cutting torches with a grip diameter 28-35mm, to perform machine quality cutting and bevelling processes in a variety of applications.

Features
- Cutting and bevelling 0° to 45° (also parallel with 2 torches)
- Quick clamping torch holder for torch diameter 28mm to 35mm
- Advanced speed control system with implemented digital control loop feedback PID regulator
- LED display with readout of actual and set speed, and report messages
- Travel on a rail or directly on a workpiece
- 2-wheel drive with automatic braking drive unit
- Quick drive release switch for easy re-positioning
- Connectable rails to form various lengths
- Rigid and heat-proof design
- Wide assortment of optional accessories for variety of applications, see page 15 for details

Includes
- Dragon carriage
- Torch Rack 580mm
- Counterweight 1.3 kg
- Torch holder with angle & height adjustment (WAP-D6030)
- Power cord
- Operator’s manual

*Shown with optional track assembly WAP-D6010

<table>
<thead>
<tr>
<th>Part No.</th>
<th>WA-DRAGON</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>115-230VAC / 50-60Hz</td>
</tr>
<tr>
<td>Power</td>
<td>13W</td>
</tr>
<tr>
<td>Torch grip diameter</td>
<td>28-35mm</td>
</tr>
<tr>
<td>Chassis to material clearance</td>
<td>7.5mm</td>
</tr>
<tr>
<td>Travel mechanism</td>
<td>4 knurled wheels, 2 wheel drive</td>
</tr>
<tr>
<td>Guiding equipment</td>
<td>Optional “V” type rail with grooves at 152mm centres, 1800mm length (part# WAP-D6010)</td>
</tr>
<tr>
<td>Cutting speed</td>
<td>0-1500mm/min</td>
</tr>
<tr>
<td>Chassis dimensions</td>
<td>427mm(L) x 189mm(W) x 180mm(H)</td>
</tr>
<tr>
<td>Weight</td>
<td>16.8kg</td>
</tr>
</tbody>
</table>

www.industrialtool.com.au

VIEW THE DEMO AT
High precision cutting and bevelling results are achieved with the track assembly, WAP-D6010

### Optional Accessories & Consumables

<table>
<thead>
<tr>
<th>Track Assembly</th>
<th>Basic Torch Holder</th>
<th>Torch Holder with Angle &amp; Height Adjustment</th>
<th>Machine Torch Holder with Angle Adjustment</th>
</tr>
</thead>
<tbody>
<tr>
<td>WAP-D6010</td>
<td>WAP-D6020</td>
<td>WAP-D6030</td>
<td>WAP-D6050</td>
</tr>
<tr>
<td>Track assembly can be connected together to form various lengths of track. Length 1800mm. “V” Groove center-line: 152mm.</td>
<td>Basic torch holder, for torches 28mm to 35mm. Angle adjustment without gauge.</td>
<td>35mm (1-3/8”) machine torch holder with 32 pitch gear. Angle adjustment without gauge.</td>
<td>35mm (1-3/8”) machine torch holder with 32 pitch gear. Precise angle adjustment with gauge.</td>
</tr>
</tbody>
</table>

- **Sliding Torch Holder Mount**
  - WAP-D6060
  - Enables the torch holder to slide horizontally along the torch rack.

- **Cable Anchor**
  - WAP-D6180
  - Anchors power cable and fuel hoses to relieve stress on the torch holder.

- **Carriage Support**
  - WAP-D6190
  - Provides balance when the machine is used with an additional load, a longer torch rack or heavier torch.

- **Manifolds**
  - Available with quick action lever for quick on/off of the gas supply
  - WAP-D6170
    - Metric, 2x2, Part WAP-D6070
    - Metric, 2x3, Part WAP-D6080
    - Imperial, 2x2, Part WAP-D6110
    - Imperial, 2x3, Part WAP-D6120
  - WAP-D6150
    - Quick Style, Metric, 2x2, Part WAP-D6110
    - Quick Style, Metric, 2x3, Part WAP-D6120

- **Extended Torch Rack**
  - WAP-D6170
  - 1000mm length for extended reach of the torch holder.

- **Large Counterweight**
  - WAP-D6160
  - 2.6kg Counterweight provides extra balance.

- **Circle Cutting Attachment**
  - WAP-D6150
  - Enables cutting of circles with radius 240 to 1000mm, or 240 to 1450mm with extended torch rack.
The TRADEMASTER Range of workshop machinery and equipment is designed for the professional demanding high quality & extra heavy duty products built to last. Customers can also be confident with the ongoing backup service & support offered.