

Fladder 200/GYRO Automatic Deburring Machine with Wet Collector



Stock No	AMC500
Manufacturer	Fladder
Model	200/GYRO-1000 Vac & Carter Thorn W120 Collector
Year of Manufacture	2017
Serial	1849
Location	Lancing, West Sussex, UK
Weight (kgs)	1500kg
External Dimensions (WxDxH mm)	1800mm x 1690mm x 2135mm

Description

This Fladder 200/GYRO is a compact, high performance deburring and edge rounding machine designed for processing steel, stainless steel, aluminium, titanium, copper and wood. Featuring Fladder's proven GYRO technology, the machine utilises a powerful gear head with six rotating conical spindles that oscillate across the workpiece, producing a consistent, high quality finish while ensuring even tool wear.

Ideal for manufacturers requiring reliable and repeatable deburring, the 200/GYRO combines precision finishing with simple operation. A vacuum conveyor securely holds even small components during processing, while the intuitive touchscreen control system and variable speed drives provide complete control over the finishing process. Designed with energy efficiency in mind, the machine offers optional intelligent power saving features to reduce energy consumption and

machine wear.

Capable of processing workpieces up to 3000mm long and 1000mm wide, the FLADDER 200/GYRO delivers uniform edge rounding, burr removal and surface finishing across a wide range of materials and component geometries

Features

- Compact Fladder® GYRO deburring and edge rounding system
- Suitable for steel, stainless steel, aluminium, titanium, copper and wood
- Powerful gear head with six rotating conical spindles
- Oscillating multi-directional finishing action for uniform surface quality
- Even grinding tool wear for extended consumable life
- Vacuum conveyor system securely holds small workpieces during processing
- 1000mm wide vacuum belt
- Dry deburring process without excessive surface heating
- Uniform edge rounding around holes and external profiles
- Processes components of varying thicknesses in the same cycle
- Capable of deburring contours and grooves up to 30 mm deep
- Touchscreen control panel for simple machine operation
- Variable speed control via frequency converters
- Powder coated heavy duty frame with large inspection windows

Technical Specification

- Number of spindles: 6 (100 × 350mm or 200 × 250mm)
- Working width: 1000mm
- Maximum workpiece length: 3000mm
- Maximum workpiece height: 100mm
- Working height: 840mm
- Conveyor speed: 0.3–10.0 m/min
- Maximum power consumption: 17.5kW
- Electrical supply: 3 × 400/500 V
- Fuse rating: 32A–63A
- Machine dimensions (WxDxH): 1800mm x 1690mm x 2135mm
- Weight: 1500kg

Spindles Available For Lease

Please note, the spindle attachments shown in the photographs are currently leased from the OEM. New spindle sets can be leased directly from the OEM or purchased outright, giving the new owner flexibility to select the option best suited to their requirements.

Carter Environmental Thorn W120 Wet Collector

Paired with this Carter Type W1200/5.6kW fume extractor, it is constructed from a carbon steel body with steel internal baffles.

Benefits of a Wet Dust Collector

A wet filter unit, sometimes known as a wet scrubber, typically separates solid particulate from the air stream by passing it through an atomized liquid whereby particles get encapsulated by droplets and then submerged into a tank where sedimentation occurs. As the method of separation is provided by a liquid which is recovered and re-used within the unit, there is no requirement for replaceable filter elements such as those in a dry unit.

Features

- Volume - 4,000m³/hr
- Mild steel painted
- Self-induced wet scrubbing always provides the full design air volume extraction rates (continuous extraction)
- Fan set built-in with anti-spark feature and silencer
- Complies with health and safety guide HSG258

Details

- Model Carter Environmental
- Type: W120/5.6KW
- External dimensions: 875mm x 1280mm x 2600mm

UK Specialist Support - Leifeld

Leifeld is a UK specialist in metal forming machinery and is available to support this machine with **commissioning, service and consumables**. As part of Riley Surface World's network of friends and partners in the industry, Leifeld is the official UK representative for Fladder with it 35+ years in the metal fabrication industry.

A **recent service & condition report is available**, providing a clear route to getting the machine ready for production. Get in touch & we can introduce you to Leifeld for further information about this machine.

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.