

Capacity - Ripley Sheet Metal Facility

EQUIPMENT/PROCESS NAME	CAPACITY/FEATURES
Robotic Bending Cell: Kuka Robot with Colgar PS 718/21-C TAC CNC Brake Press	2.1m x 75 tonnes CNC 6-axis Robot with 16kg lifting capacity 0.1mm positional repeatability
Robotic Bending & Spotwelding Cell: ABB IRB4400 Robot with Ursviken Optima 100 CNC Brake Press	3.0 metres x 100 tonnes CNC 6-axis Robot with 30kg lifting capacity 0.1mm positional repeatability
Robotic Bending Mini-cell: Kuka Robot with Colgar CNC Brake Press	1.0 metres x 30 tonnes CNC 6-axis Robot with 16kg lifting capacity 0.1mm positional repeatability
Combined Laser/Punch: Pullmax Pullmatic 720 CNC Laser Punch	1500x3000x8mm max sheet size 20 indexable stations 3kW Fanuc Laser 75mm max forming capacity
Laser Cutting: Bystronic Byspeed 3015 CNC Laser Cutting System	1500x3000x20mm max sheet size 4.4kW laser - extremely clean and accurate profiles of unlimited complexity Extremely fast - head acceleration 30m/s ²
Laser Cutting: Bystronic Bysprint 2512 CNC Laser Cutting System	1250x2500x12mm max sheet size 1800W laser - clean burr-free cuts at +/- 0.1mm accuracy Unlimited workpiece complexity
Robotic Spotwelding Cell: Fanuc R2000iF Robot	CNC 6-axis spotwelding Robot High speed handling and 165kg capacity High sensitivity collision-detection software
Punching: Pullmax Pullmatic 5000 ETM CNC Punch Press	1250x2500x6mm max sheet size 15 indexable stations - 0.1 deg. increments Extended tool magazine - 45 tool capacity Auto-sheet loading and auto part picking system
Punching: Pullmax Pullmatic 126FC CNC Punch Press	1250x2500x12mm max sheet size 15 indexable stations - 0.1 deg. increments Auto-sheet loading
Bending: Ursviken Optima 100 CNC Brake Press	3.0 metres x 100 tonnes Cybelec DNC90 control
Bending: Ursviken Optima 64 CNC Brake Press	2.6 metres x 64 tonnes Cybelec DNC800 control
Bending: Promecam RG50 NC Brake Press	2.0 metres x 50 tonnes Hurco Autobend control
Bending: Promecam RG/PPH25 NC Brake Presses (6 off)	1.25 metres x 25 tonnes Hurco / Promecam controls
Inserting: Haeger 824 CNC Inserter (2 off)	Multiple tools & CNC control 7.3 tonnes
Inserting: P&S Sertabush Bush Inserter	Multiple tools 10 tonnes
Studding: Taylor Stud welder	Table-mounted automatic feed
Grinding: Kuhlmeyer Twin Belt Grinding Machine	Enlarged 780mm table opening
Additional Sheet Metal Facilities:	MIG / TIG welding, spot welding Graining / abrasive cleaning Rumbling Detergent cleaning
Inspection & QA Facilities:	Virtek Laser QC CNC laser inspection system Mitutoyo Euro-M544 CNC 3-axis check centre All process controls BSI certified to ISO 9002

Capacity - Ripley Surface Coatings

EQUIPMENT/PROCESS NAME	CAPACITY/FEATURES
Product Finishing Plant: Conveyorized Pre-treatment Powder Coating & Convection Curing System	2000x1200x900mm max. work size Skilled manual powder application
Pre-treatment Section: Aqueous Degreasing and Iron Phosphating	A highly effective and environmentally friendly pre-treatment system
Powder Application Section: Online Double Sided Powder Coating Booth	Extremely flexible – skilled manual application Colour changes made in less than 15 minutes
Offline Small Batch Powder Booth	1200x900x900mm max. work size
Binks-Billows No-Pump Booth: General Purpose Spray Booth	2000x2000x1000mm max. work size Skilled manual spray application
Online & Offline Convection Curing: Online Curing Oven & Offline Box Oven	Extremely flexible Temperature controlled to within 1% for consistent cure and quality

Capacity - Ripley Auxiliary Machining

EQUIPMENT/PROCESS NAME	CAPACITY/FEATURES
Machining: Chiron FZ15S CNC High Speed Machining Centre	5 axes, including 2-axis rotary table 20 station tool changer Tool change in 0.9 seconds
Auxiliary Machining Facilities:	Grinding Cutting Drilling / tapping
Additional Machining Capacity:	Established network of trusted partners
Inspection & QA Facilities:	Mitutoyo Euro-M544 CNC 3-axis check centre All process controls BSI certified to ISO 9002