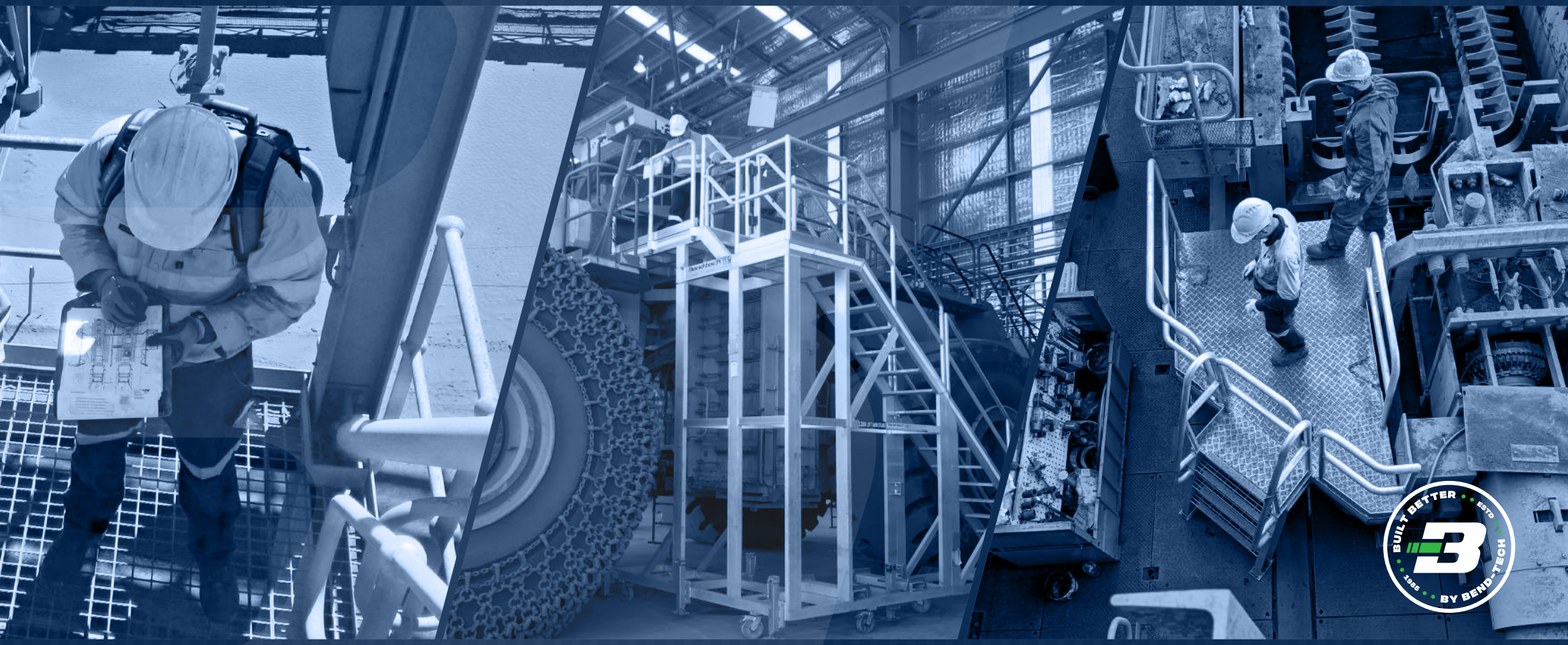
Bend-tech
BIGGER THAN BUSINESS

A DIVISION OF Bend-tech
GRIZZLY
THE ENGINEERED APEX

ROX
OPEN CUT | UNDERGROUND | A DIVISION OF Bend-tech

BT METALS



www.bendtechgroup.com.au

COMPANY PROFILE 2025

elevate

A Bigger than Business initiative by Bend-tech Group

MISSION

To elevate the lives if everyone we connect with.

VISION

Through innovation we make maintenance on-site safe, efficient and easy.

CORE VALUES

HUMILITY

Acknowledging and valuing the contributions of others and recognising that we all have room for growth and improvement.

COMMITMENT

Commitment is the bridge between goals and accomplishments. When we act with commitment in our lives, we gain the abilities to endure the uncomfortable.

KINDNESS

Everybody can be great because everybody can be kind, no act of kindness, no matter how small is ever wasted.

TEAMWORK

We realise that alone we can do so little; together we can do so much.

elevate

COMPANY PROFILE 2025

CONTENTS

BEND-TECH GROUP

Bend-tech Group delivers a tailored design, engineering and fabrication service which empowers our customers towards operational safety, efficiency, and excellence. Intelligent systems and processes propel our consultative approach towards problem solving, it is imperative we create comfort and certainty. Service that takes control of problems and accountability puts solutions in motion, we have learned through a deep understanding of our customers that this is what they need.

Being global providers of designed and engineered products, services and solutions has allowed us to develop cross-industrial expertise that has galvanised our internal processes and put us at the forefront of technology and innovation. Our people are what we believe sets us apart, our culture of learning, understanding and excellence means the whole organisation progresses in synchronicity. Our team makes an impact internally, as well as throughout all our customer interactions.

Over 30 years of delivering intelligent design, custom-certified products and services has taken us across many industries and into many countries. We have provided our industry leading solutions across the Mining, Defence, Fabrication, Marine, Rail and Oil and Gas industries globally.

BUILT BETTER BY BEND-TECH

WHO WE SERVE

BHP

RioTinto

FMG

CITIC PACIFIC MINING

Newmont

NEWCREST MINING LIMITED

Alcoa

INPEX

Woodside

Chevron

BECHTEL

Australian Government
Department of Defence

BOEING

RHEINMETALL

Raytheon

BAE SYSTEMS

EXECUTIVE TEAM

JIM FAWKES
Chief Executive Officer

PAUL FAWKES
Director

KELVIN DOWELL
General Manager

CLYDE MEAD
GM Fabrication & Special Projects Lead

SHANE CARTWRIGHT
Chief Financial Officer

MATT CRIGHTON
Human Resources Manager

ANDREW FAWKES
Sales Manager

RHYS WERNDLY
Marketing Manager

JASON DEANS
Engineering Manager

LUKE SPOONER
Processing Supervisor

ALAN BRYANT
Research & Development Manager

TODD HARRY
Fabrication Supervisor

KEVIN MULLINS
Assembly & Despatch Manager

MANAGEMENT TEAM

CONSULTATION, DESIGN, ENGINEERING & CONSTRUCTION

EXPERIENCE OUR CONSULTING, DESIGN AND ENGINEERING SERVICE

Projects and the associated challenges often require custom solutions which our **CDEC** system facilitates. Consultation, Design, Engineering and Construction is our holistic approach to solution development, making maintenance on-site safe, efficient, and easy.

CONSULTATION

We come to you and visit your site to get a hands-on feel for your project. The aim of our consultation is to listen to and understand your requirements. If the project requires it, our 3D scanning capabilities will streamline measurement and data capture. This approach allows us to discuss your problem on-site, possible solutions, and the benefits we can offer.

3D SCANNING

Our 3D reality capture solution empowers us to document and capture areas of site, plant, or machines in 3D. This improves efficiency and productivity in the field and behind the scenes through fast, accurate, and portable hardware and software. 3D laser scanning has enabled us to manage complex projects with ease and transform the way we solve problems and develop solutions.

DESIGN

After the consultation we go back to our design team to begin the development of your custom solution. Our team produce designs in CAD Design complete with all drafting documentation ensuring an advanced manufacturing process.

CONCEPTS

Once the design phase is complete, we will provide you with concept drawings and a visualisation of the solution for discussion and approval.


Leica
Bendtech


Bend-tech
Bend-tech
Bend-tech

ENGINEERING

Once the design is approved, we begin the engineering process. This ensures that the right material grade is used for your project to guarantee structural and functional integrity. We provide full certification that includes WLL, load ratings, integrity reports as well as certification plates and identifications. We design and engineer all our solutions to ensure full compliance with Australian standards.

Our engineering department includes 9 draftsman and 14 engineers. We are experienced in the design and development of complex mechanical engineering analysis and solutions.

- Product Design & Development
- Feasibility Studies
- Structural Analysis
- Thermal Analysis
- Finite Element Analysis (FEA)
- Optimisation Techniques
- Compliance, Certification and Validation

CONSTRUCTION AND FABRICATION

Our industry leading 10000 sq/m facility in Welshpool, Western Australia is armed with highly qualified consulting, drafting, engineering and fabrication personnel dedicated to manufacturing precision, engineered high performance industrial solutions.

- 1600m² fabrication workshop floor space
- 80T overhead crane with a 25m underhook
- 20T, 10T and 5T overhead cranes
- 12 Welder/Fabricator tradesmen supported by trade assistants
- 2 apprentices
- High-specification aluminium and steel fabrication and welding to AS/NZS 1665-2004 and AS/NZS 1554.1 (SP) 2014
- Stainless steel welding and fabrication capabilities when required

CERTIFICATION

STAGE 1: PRELIMINARY ANALYSIS

The first stage of certification begins with our design and engineering team. Once we receive a custom engineering project from a client, a concept drawing is completed and put through FEA (finite element analysis) testing to assess load bearing. Depending on client requirements, we will choose the appropriate standards to test.

Common Australian Standards® that are tested to exceed include:

- AS4100 – Steel Structures
- AS1170 – Structural Design Actions
- AS1657 – Fixed Platforms, Walkways, Stairs and Ladders
- AS1554 – Structural Steel Welding
- AS1892 – Portable Ladders
- AS1576 – Scaffolding

STAGE 2: EXTERNAL REPORT

Once our team has reviewed the preliminary report, it is either sent to our trusted 3rd party engineers or certified by our in-house engineering team. We put our concept through similar but more extensive FEA testing to ensure the design complies with the relevant AS standards.

Following approval, the concept is then submitted to our client in a structured report which is formatted to their specific requirements. If there are any changes required, we will make the adjustments and the revised concept will be put through the necessary tests and re-submitted to our client. This process is repeated until the concept is approved, and the final draft is submitted.

STAGE 3: CERTIFICATION AND FABRICATION

To finalise the certification process, we will be provided with an engineering certificate and certification plate for the design. The plate is usually engraved with the Australian Standards that are met and the certified weight load limit. Once the design is fully certified and approved by our client, our production team in Western Australia can commence fabrication.

CONSTRUCTION

Following our extensive certification process, finalised drawings supplied to our in-house production team. To make certain only high-quality aluminium and steel is used, we use a quality assurance system for all material received, which is kept in stock ready for use. Our experienced team are trained to use specialised equipment, which ensures all aluminium components are cut to precision.

The material is moved on to our fabrication team where the projects begin to take their shape. Our team is exceptionally trained in TIG welding, the method that is used with all projects. TIG is the preferred method when compared to other aluminium welding processes, such as MIG, due to its quality, precision, cleanliness, and strength. Fabricators achieve a higher level of precision with TIG due to having more control in all areas of the weld, which is essential in producing equipment designed to enhance safety.

QUALITY ASSURANCE

Once the fabrication process is complete, our QA officer will initiate a thorough inspection of the product. Inspection will involve physical load and 100% certified weld testing where required to ensure compliance with the Australian Standards specified in the engineering and certification process.

ASSEMBLY

Following QA approval finished products are moved on to our assembly team where all necessary fittings such as certification plates, signage, stickers, and laser-cut templates are added. If the product requires paint blasting or galvanising, this will be done prior to any assembly fittings and completed as per the customers specifications.

QUALITY ASSURANCE 2

A second round of QA focusses on ensuring the product is up to our standards before leaving the building. All measurements, fabrication, fittings, and engineering aspects will be ticked off and a final aesthetics check will ensure the product is presentable to the client.

PACKING AND DELIVERY

The final stage is to move the product into secure and presentable packaging which will significantly reduce the chance of damage occurring during freight. Products are then delivered to site through our trusted freight services – hot shots are available if required. Our support team keeps our clients informed by providing updates throughout each stage of this process, as well as following up once delivery is complete to ensure all items meet our standards.

This concludes production. The streamlined process enhances safety and efficiency for our personnel, which is reinforced by our project management team. Overall, our certification and production process ensure every product that leaves Bend-tech is designed, engineered, and constructed to the highest of standards.

A DIVISION OF Bend-tech

GRIZZLY
SAFETY PRODUCTS

THE ENGINEERED APEX

MISSION:
TO BE THE APEX PROVIDER OF INTELLIGENT, ENGINEERED SAFETY SOLUTIONS.

The **GRIZZLY SAFETY PRODUCTS** division of the Bend-tech Group is dedicated to supplying intelligent solutions that maximise safety and efficiency, fast. The **GRIZZLY** division is at the apex of the engineered manufacturing industry. Enabling you to evade danger through proactive, engineered tough solutions that create safe maintenance scenarios, **GRIZZLY SAFETY PRODUCTS** are safety, on your side.

We are excited to about the redefined identity of our engineered safety products division. The transformation reimagined due to the sustained commitment to enabling and empowering maintenance professionals to succeed, safely.

GRIZZLY SAFETY PRODUCTS are designed, engineered and manufactured beyond the relevant safety standards. Our promise is to provide intelligently designed solutions that are manufactured in our state-of-the-art facility in Western Australia. These solutions eliminate risks associated with maintenance are extensive, the **GRIZZLY** range is all encompassing when it comes to enabling the evasion of danger and empowering personnel to perform safely.

CERTIFIED COMPLIANT WITH AUSTRALIAN STANDARDS

GRIZZLY SAFETY PRODUCT RANGE:

- **WORKBENCHES**
- **STORAGE BENCHES**
- **MATERIAL AND EQUIPMENT RACKING**
- **TRESTLES**
- **WORK STANDS**

ROX
MINING PARTS

ELIMINATING DOWNTIME, MAXIMISING EFFICIENCY.

ROX

OPEN CUT | UNDERGROUND | A DIVISION OF Bendtech.

BUILT BETTER

The **ROX** identity is not just a logo or a name – it's a reflection and commitment of our vision for the future. We envision a world where all our customers' required parts are stocked, downtime is eliminated, parts are innovated and improved, and we are the relied upon supplier for mining equipment replacement parts. This vision is the driving force behind every decision we've made in shaping our rebrand.

ROX is split into two divisions – **OPEN CUT** and **UNDERGROUND**.

OPEN CUT

- Fuel Tanks
  - CAT dozers and haul trucks in-stock & Komatsu haul trucks in R&D
  - Fast-fill fuel options & armour flex coating available
  - Certified transport & installation frames available
- Hitachi fenders, travel motor covers, guards & cylinder protection
- CAT D10/11 bonnet & bonnet handrails

UNDERGROUND

- Handrails
  - CAT, Sandvik & Epiroc in-stock
  - Dedicated R&D team for the latest machine updates
  - Handrail storage racks available
- Fenders, guards & covers
- Radiator grilles, doors, dog-bones & bumpers

The key advantages that **ROX** has in the industry are on the back of the extensive design, engineering and construction capability and experience, as well as dedicated R&D, Fabrication, Project Management, Sales and Marketing teams. All **ROX** parts are engineered and certified to replace existing OEM parts and are often built with design enhancements to ensure longevity and maximise safety and efficiency.

ACCESS PLATFORMS

We design, engineer and manufacture a range of certified and compliant access solutions for fixed and mobile applications. Our access platforms are industry leading and are designed and engineered to outperform their requirements in terms of safety and efficiency.

ENGINEERING & CERTIFICATION

CERTIFIED COMPLIANT WITH AUS STANDARDS

Common Australian Standards® that are tested to exceed include:

- AS1170 – Structural Design Actions
- AS1664.1 – Aluminium Structures Part 1: Limit State Design
- AS1657 – Fixed Platforms, Walkways, Stairways and Ladder's Design, Construction and Installation

DESIGN & DESIGN VERIFICATION CRITERIA

1. Strength/stability verification using FEA - Finite Element Analysis, and hand calculations:
   - A uniformly distributed load applied to the walkway/landing and stair treads as specified in AS1657.
   - Concentrated loads applied to landing/stair treads as per AS1657.
   - Concentrated loads applied to guardrails/handrails as per AS1657.
   - Wind actions based on whether the platform is being used indoors or outdoors.

2. Dimensional compliance in accordance with AS1657.
3. Additional load cases or dimensional constraints may be verified depending on the operational requirements.

VALUE

As there are no established standards for mobile platforms in Australia, we have opted for a hybrid design approach to ensure that we cover every possible on-site situation.

Each structure undergoes a thorough certification process to demonstrate that each design has satisfied all the above-mentioned requirements.

WHY YOU NEED TO CERTIFY YOUR PLATFORMS

Certifying the platforms ensures that they meet the safety standards and specifications for the site conditions and intended use. By certifying platforms, you can avoid the following hazards:

- Non-compliant geometry, such as stairways that are too steep or uneven this can cause trips and falls.
- Handrails and fall protection that are inadequate or non-compliant can increase the chance of falling from height.
- Wind loading that is not accounted for can make the platform unstable and prone to tipping over.
- Stability calculations that are missing or incorrect can result in the platform tipping over when loaded/stored or moved.
- Load capacity that is underestimated or wrong can lead to structural failure of the platform.
- Not performing FEA calculations or load testing can compromise the platform's structural integrity and suitability for your needs.

WELDING TYPE AND QUALITY

All welding of aluminium platforms is TIG welded by coded welders

MATERIAL SOURCING AND QUALITY

All Aluminium structural materials are locally sourced from Australian mills to ensure correct grades of materials are used and also quality of materials.

TREADS AND DECK MATERIAL

All platforms are supplied with aluminium serrated floor grating. This way there is no build-up of dirt or materials on platforms, which intrudes hazards.

HANDRAILING DIAMETER

All Handrails are 50mm dimeter tube to ensure ease of use by the operator and overall strength and performance.

WHEELS

German made, heavy-duty **Blickle** castors and wheels are used on all platforms, to ensure the castors out last the platforms.

JACK STANDS

Heavy-duty side winding adjustable jack stands rated to 2000kg each.


3T METALS
FS6025 FIBER
Bend-tech
bendtechgroup.com.au
3T METALS

MATERIAL PROCESSING

Our high-spec, precision material processing department can process 1000's of parts per month in a variety of materials and specifications. Equipment includes a 5 AXIS Tube Laser (the largest in Western Australia), Flat Bed Laser with a 6m x 2.5m bed and our 170/30 Press Brake.

5T, 10T and 80T overhead cranes with 20-meter under hook

Flat Bed Laser 6m x 2.5m for precise and efficient sheet metal cutting

170/30T Press Brake

5 Axis Tube Laser for advanced tubular component processing

Bend-tech Group is at the forefront of material processing capabilities, dedicated to supporting Australian manufacturing with specialized laser services such as tube lasering and flat bed laser cutting. Our laser cutting and pressing techniques offer precision methods for processing metallurgical components. These services support a variety of industrial applications, including:

Cutting simple to complex holes using our Flat Bed Laser

Crafting complex geometries with our 5 Axis Tube Laser

Producing detailed components with utmost accuracy

As an industry-leading supplier, Bend-tech utilises the latest computerized systems to accept drawing information from clients in multiple formats: CAD files, fully dimensioned drawings, or even by reverse engineering samples. Our processing equipment, including our state-of-the-art tube and flat bed lasers, come with internal systems designed to allow clients the flexibility to easily change part geometry without the need for tooling changes. Moreover, we store your processed material data to enable us to recall the latest revision of any job and reproduce it with 100% accuracy, every time.

Our advanced laser services offer a multitude of benefits:

Unmatched accuracy facilitated by our 5 Axis Tube Laser and Flat Bed Laser

Ability to create small diameter holes with high precision

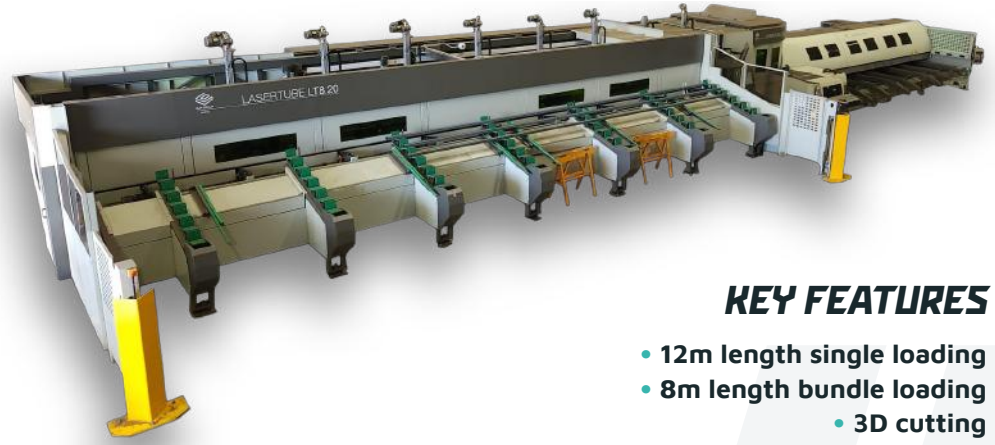
Intricacy in design and complex geometries

Exceptional edge quality

Design freedom for custom applications

Speedy processing and delivery to meet your timelines

LASERTUBE LT8.20
5 AXIS TUBE LASER



KEY FEATURES

- 12m length single loading
- 8m length bundle loading
- 3D cutting
- 40kg/m maximum bar weight
- 12mm maximum thickness
- 2D drawing or 3D file programming
- Capability to produce over 12,000 parts per month on single shift

Profile	Wall/Flange Thickness		Max Length (m)w	Max Bar Weight kg/m
	Stainless Steel /Steel (mm)	Aluminium		
Round Tube (CHS)	12	10	12.5	40
Square Tube (SHS)	12	10	12.5	40
Rectangular Tube (RHS)	12	10	12.5	40
Channel (PFC)	10	10	12.5	40
Universal Beam (UB)	10	10	12.5	40
Universal Column (UC)	11.5	10	12.5	40
Angle (EA/UA)	10	10	12.5	40

FS 6025
FLAT BED LASER 6M X 2.5M

KEY FEATURES

- Fiber resonator
- Maximum cutting size of sheet/material: 6096mm x 2559mm
- Shuttle table system
- Steel, aluminium, stainless steel and wear plate

Output power	12.0kW
Mild steel	32mm
Stainless steel	32mm
Aluminium	32mm
Copper	10mm
Brass	15mm

LVD EASY-FORM
170/30 PRESS BRAKE

KEY FEATURES

- Up to 170T
- Up to 3000mm
- Able to press up to 10mm (MS)


BUILT BETTER
ESTD
1985
BY BEND-TECH

INTELLIGENT DESIGN MEETS CUSTOM ENGINEERING

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