



DREW ENGINEERING

DESIGN - DRAUGHTING - MACHINING

COMPANY PROFILE

OUR STORY

At Drew Engineering, we bring ideas to life through precision, creativity, and a passion for practical design.

Founded and operated by two brothers, our business offers a variety of professional services including engineering design & draughting, machining & fabrication, 3D prototyping, 3D laser scanning, and specialized bending services.

With years of combined experience in structural, mechanical, and civil projects, we pride ourselves on delivering solutions that are not only functional but also efficient and cost-effective. Whether it's developing a new product from concept to completion, reverse engineering existing components, or producing detailed fabrication drawings, our team ensures every project meets the highest standards.

We work closely with our clients to understand their needs, adapt to their challenges, and provide practical, innovative solutions—turning ideas into reality, one design at a time.

CONTACT DETAILS

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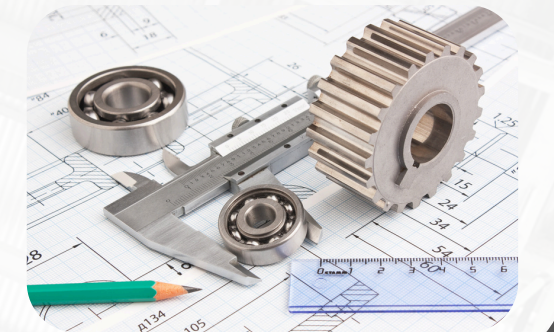
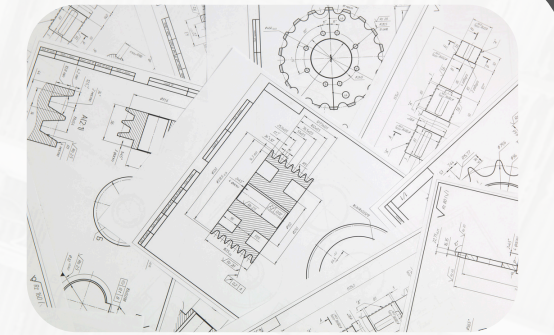
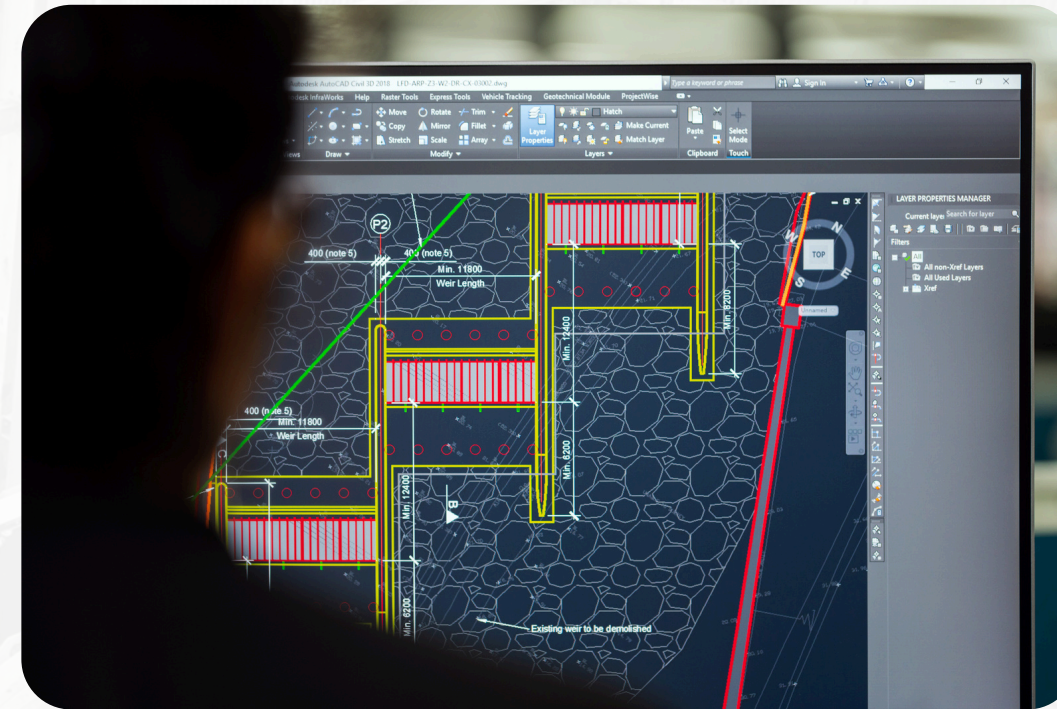


OUR SERVICES



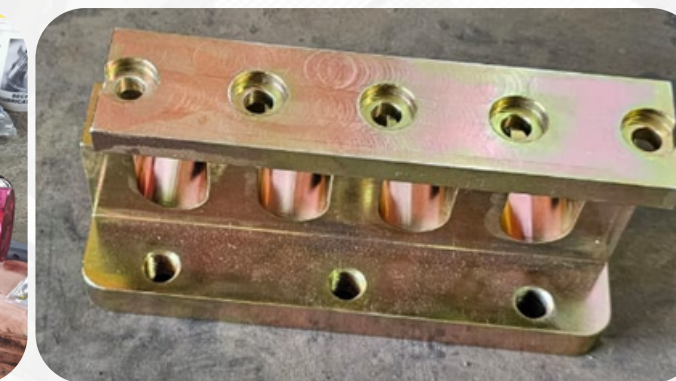
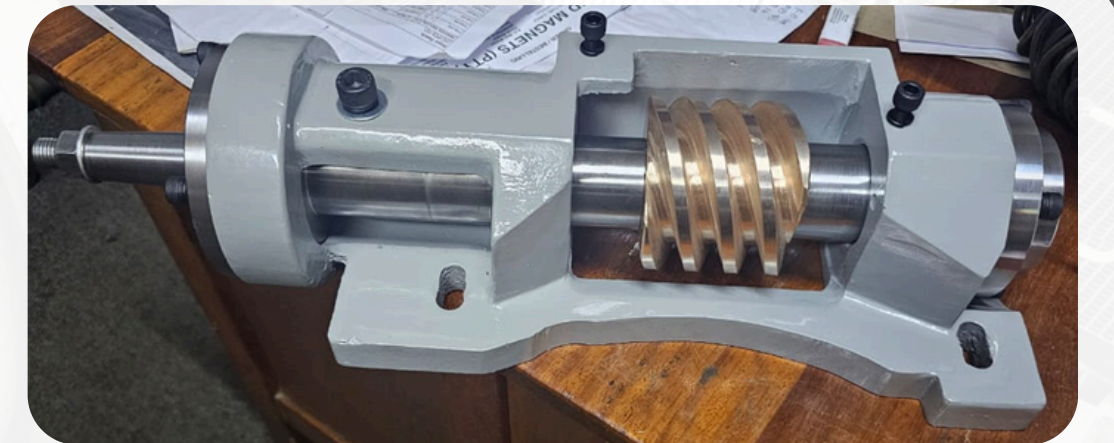
DESIGN & DRAUGHTING

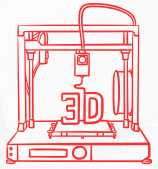
- Structural and mechanical draughting
- 3D Modelling
- Fabrication ready drawings & site documentation
- Structural steel assemblies and mechanical component detailing



MACHINING

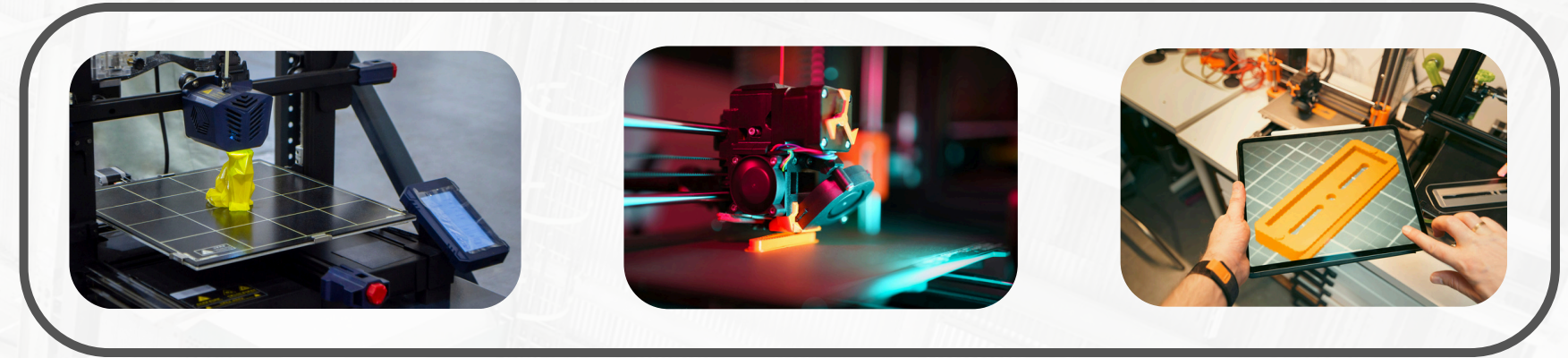
- In-house CNC machining
- Conventional machining for specialised applications
- Small-to-medium batch production
- Tight tolerance machining for industrial components
- Product design / development (start - finish)





3D PROTOTYPING

- Rapid prototyping for machined parts
- Functional and visual models for testing and validation
- Design verification before full scale manufacturing



3D SCANNING

- Reverse engineering of existing parts
- Accurate digital modelling of legacy or worn components
- Dimensional verification for quality assurance



FABRICATION

- Manufacturing of frames, platforms, brackets, enclosures, and custom structural assemblies.
- Precision welding, cutting, and bending.
- Assembly and finishing to meet strict quality, durability, and dimensional standards.



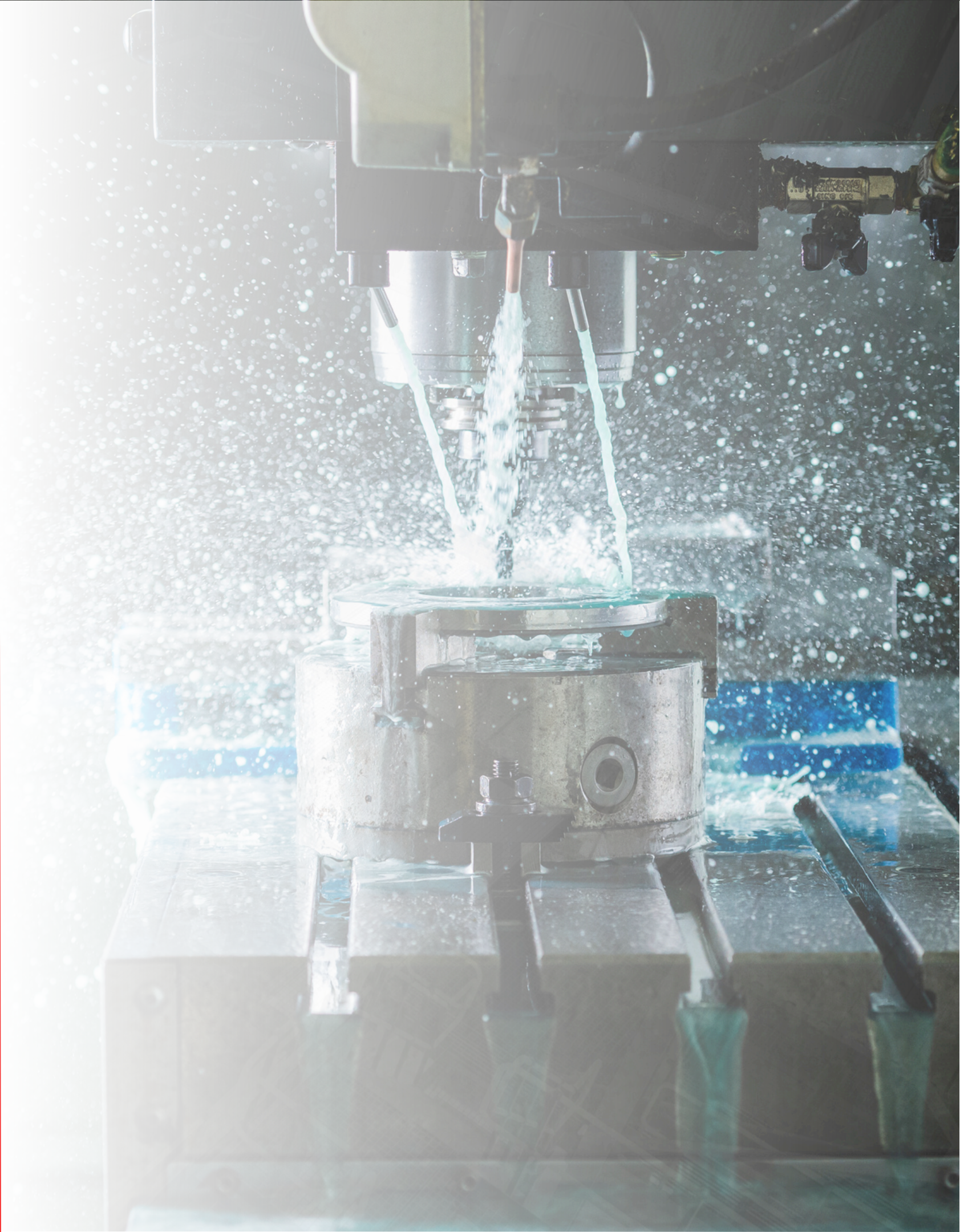
-----**DRAUGHTING** CAPABILITIES

- Structural Draughting.
- Mechanical Draughting.
- Civil Draughting.
- Assembly and installation documentation.
- Reverse engineering of parts and assemblies.
- Scan to CAD 3D Modelling.
- Clash detection of new equipment compared to existing equipment or structures.
- FEA Analysis.
- DEM Analysis.



-----**MACHINING** CAPABILITIES

- Centre Lathe: 800mm Swing x 4m Long cross saddle
- Centre Lathe: 700mm Swing x 3m Long cross saddle
- Centre Lathe: 400mm Swing x 1.5m Long cross saddle
- Centre Lathe: 300mm Swing x 2.5m Long cross saddle
- Horizontal Boring Mill: 103mm Spindle x 1.1m x 1.3m digital readout
- Milling Machine: 400mm x 1.2m bed
- CNC Milling Machine: 400mm x 1m bed
- Pedestal Drill: 2 off - 500mm x 500mm bed
- Radial Arm Drill: 1.5m Swing x 1m Travel
- Vertical Boring Mill: 1.15m Swing x 800mm cross saddle
- Thread Cutting Machine: M16 - M48 x 6m



-----**FABRICATION** CAPABILITIES

- Straight Line Cutters: 70mm Thick
- Mag Base Drill: Dia. 35mm
- Brake Press: 200 Ton x 3.2m
- Press: 125 Ton
- EBU Eccentric Press: Adjustable Stroke 75 Ton
- Guillotine: 12mm x 3.2m
- Roller: 1mm x 2.7m Long
- Roller: 6mm x 1.2m Long
- Stick Welders: 4 x 500 AMP
- Stick Welders: 3 x 300 AMP
- CO2 Welders: 5 x 500 AMP
- Holding Oven: 450kg
- Hot Box: 4 x 15kg
- Hole Punch: Max 16mm plate x Dia. 22mm holes
- Forklift: 5 Ton
- Forklift: 2.5 Ton

