



HYDRO

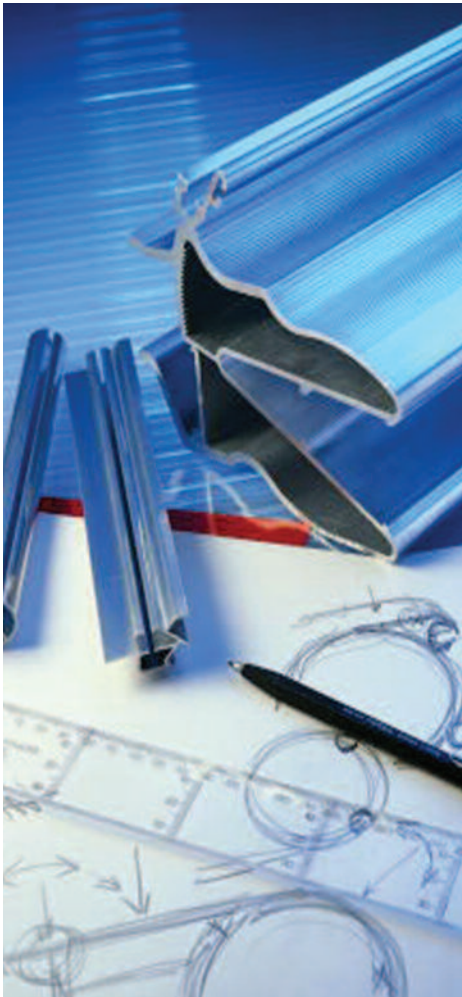
Aluminium Extrusion

From concept to component





At Hydro we use our expertise to take advantage of the benefits of aluminium and the extrusion process in order to make a product with optimal function and the best cost effectiveness, to help your business succeed.



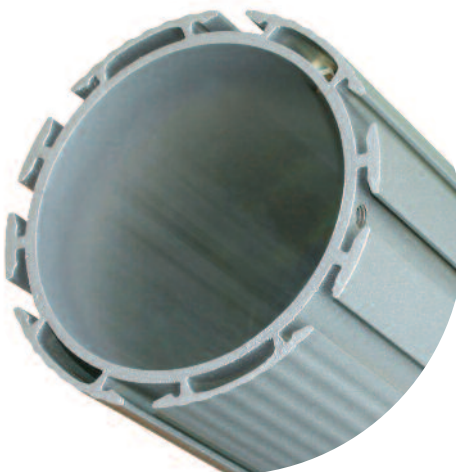
We work with our customers from the earliest stages of a project to understand their specific requirements. We seek to solve our customer's manufacturing challenges and deliver innovative solutions that make life easier for them.

Aluminium - The Material of the Future

- Aluminium has been described as the "material of opportunity" and more and more companies are realising the obvious benefits of using aluminium.
- Aluminium extrusion is a process that provides virtually unlimited opportunities to adapt to the shape of the product as required.

- Function can also be built in that maximise strength and stiffness, and cut costs by using fewer components, reducing finishing and simplifying assembly.
- The low density of aluminium can also ease handling and transportation throughout the supply chain by creating lighter weight components and assemblies which are more cost effective and environmentally friendly to transport.
- A major advantage of aluminium is that it can be recycled again and again. What starts life as a bridge deck can, in another form, become a window or curtain walling section. A significant benefit of recycling is that it requires only 5% of the energy used to produce primary aluminium.

*We not only find
solutions, we extrude
them*



*Think freely -
think aluminium
extrusions*

Hydro as your extrusion supplier can give you a competitive edge

Hydro Aluminium Extrusion capabilities:

With over 300 personnel operating from 3 locations within the UK we can provide your extruded aluminium needs from the simple to complex.

We are the leading supplier to many markets:

- Building & construction
- Automotive, trucks, trailers, buses & rail
- Marine
- Office & home furniture
- Electrical & industrial equipment
- Consumer products
- Solar
- Defense and security

Extrusions

Hydro Aluminium Extrusions UK has three extrusion presses ranging from 1600t to 3200t with access to additional presses from 1000t to 6500t.

Our manufacturing process provides the possibility of creating perfect extrusion solutions that meet the high demands of performance, quality, precision and economy.

Fabrication:

We provide a wide range of fab services to provide technical solutions, and to help customers keep their costs down.

- Re cut saws
- Double mitre saws
- 75T, 35T, 18T and 10T power presses
- CNC machining centres: 4 axis, 3 axis, 900cm to 7m beds
- Milling
- Drilling
- Tapping
- Mig/Tig Welding facility
- Deburring - Rasamat and barrel deburrer
- Assembly
- Flatbed CNC (Component work)
- Bending or roll forming
- Polymide Joining
- Co-ordinate Measuring Machine

Finishing:

- Anodising
- Painting
- Powder coating
- Custom packaging options

Quality Assurance

- BSI registered BS EN ISO 9002:1994 (achieved 1994)
- Environmental management system - ISO 14001:1996 (achieved 1997)
- European anodising association : Qualanod - 1990 (Bedwas)
- Lloyd's register - 2010 (6082-T6 alloy) (Bedwas and Birtley)

*Professional
design
service*

*Expert
extrusion
capabilities*

*Competitive
fabrication
services*

*Superior
anodising
facilities*

Hydro is a global supplier of aluminium with activities throughout the value chain, from bauxite extraction to the production of rolled and extruded aluminium products and building systems. Based in Norway, the company employs 23,000 people in more than 40 countries. Rooted in a century of experience in renewable energy production, technology development and progressive partnerships, Hydro is committed to strengthening the viability of the customers and communities we serve.

Hydro is one of the only two aluminium companies included in the 2010 Dow Jones Sustainability World Indexes (DJSI World), which includes the 10 percent best performers in each industry. Hydro has been included in the DJSI every year since the indexes were launched in 1999.

Association Memberships

- Aluminium Federation
- Council for Aluminium in Building
- European Aluminium Association

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