



Hyde Group

www.hydegroupp.com

Hyde Aeroproducts Limited owns & 'Programs Manages' its in house resources which include 'Airframe Design', 'Stress Analysis', 'Detail & CNC Component Manufacture', 'Finish & Surface Treatments' & 'Single Discipline Service'.

As long term strategic partners to airframe primes 1st tier suppliers Hyde Aeroproducts deliver piece parts, kits & sub assemblies, typically, from program dedicated, lean manufacturing cells.

Sophisticated scheduling & 'Live' production progress monitoring systems aid PC networked manufacturing & program managers to ensure product is supplied to schedule. Secure Web portals will provide direct client access to this data in the near future.

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Core Process

- ▶ Aerostructures and Component Design.
 - ▶ Manufacturing Engineering.
 - ▶ Tooling.
 - ▶ C.N.C Programming.
 - ▶ Project Management.
 - ▶ Risk Management.
 - ▶ Logistics Support.
 - ▶ J.I.T / D.L.F / KAN-BAN / KITS.
- A.O.G / Repairs / Spares / Batch and Serial Production.

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Core Manufacturing Processes

- ▶ Sheet metal with supporting treatments.
- ▶ Welded Fabrications.
- ▶ Sub-assembly to major unit assembly.
- ▶ Tactical machining - Conventional
 - C.N.C
 - Prismatic Milling
- ▶ Strategic Machining - Hard Metal
 - Soft Metal
- ▶ Full range of Hard and Soft metal

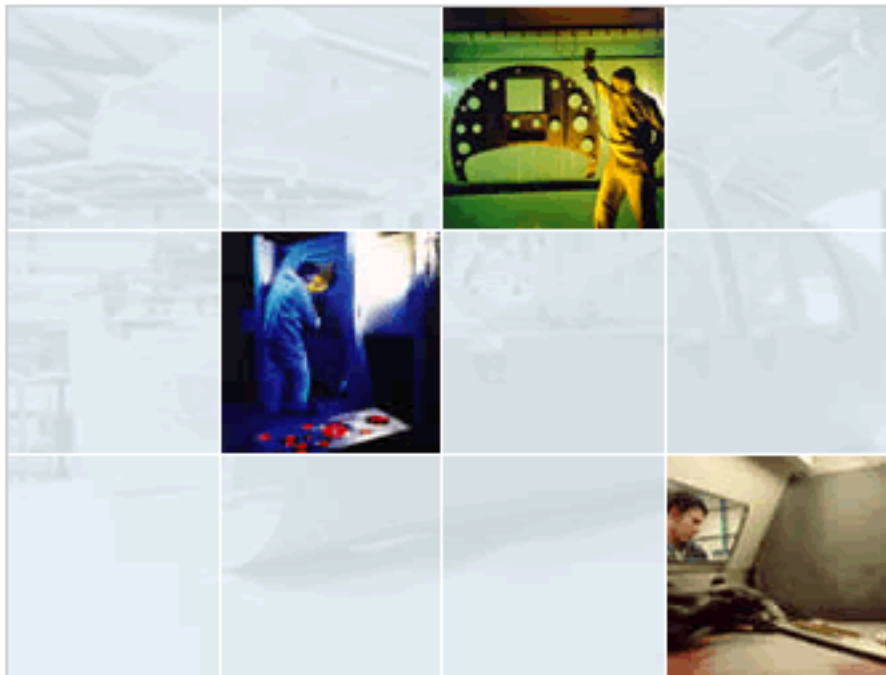
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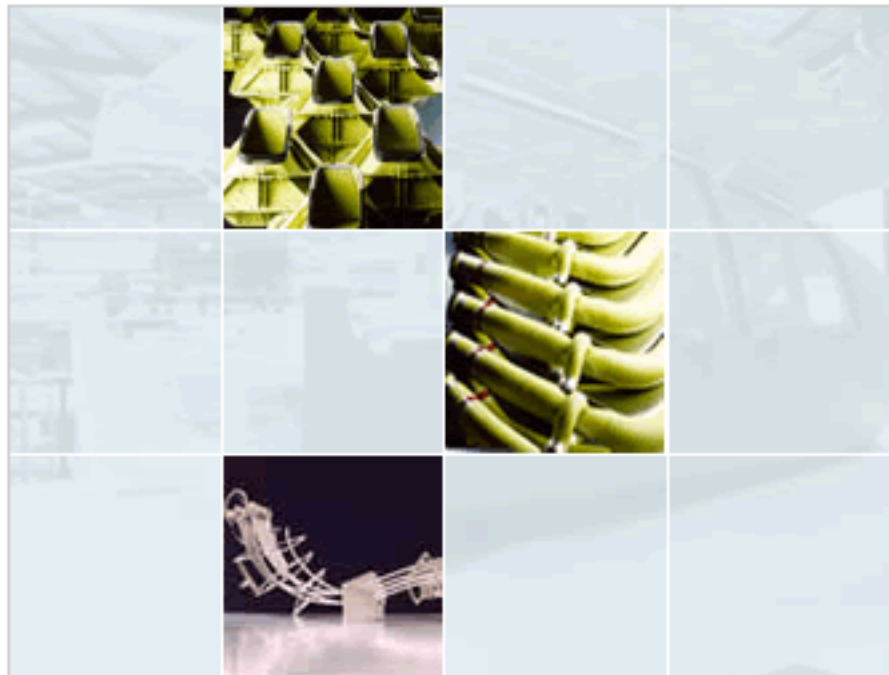
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Surface treatments



- ▶ Intermediate and Final treatment for hard and soft metal
- ▶ Automated anodising line - 4.7m x 2.0m x 1.0m
- ▶ Cadmium plate line - 1.0m x 1.0m x 1.0m
- ▶ Automated Robotic Paint Spray
- ▶ New environmental paint process
- ▶ 2,800 Sqm commissioned Jan 2001

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Hyde utilise a wide range of processes to manipulate sheet metal and welded fabrication , to achieve quality and schedule adherence.

- ▶ 5300 Rubber Press
- ▶ Water Jet Cutting
- ▶ D.N.C. Routers
- ▶ Programmable Brake Presses
- ▶ Brazing / Fusion / Resistance Welding
- ▶ X-Ray

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Lean manufacture



Lean manufacture techniques with update logistics principles are employed to support our customer drive for cost target achievement.

Manufacturing:- Increasingly common here at Hyde are the use of dedicated machines/cells with nominated labour commisioned solely for the long term strategic contracts, employing single aircraft set / family manufacture in lieu of batches. This virtually eliminates working progress kitpart shortage.

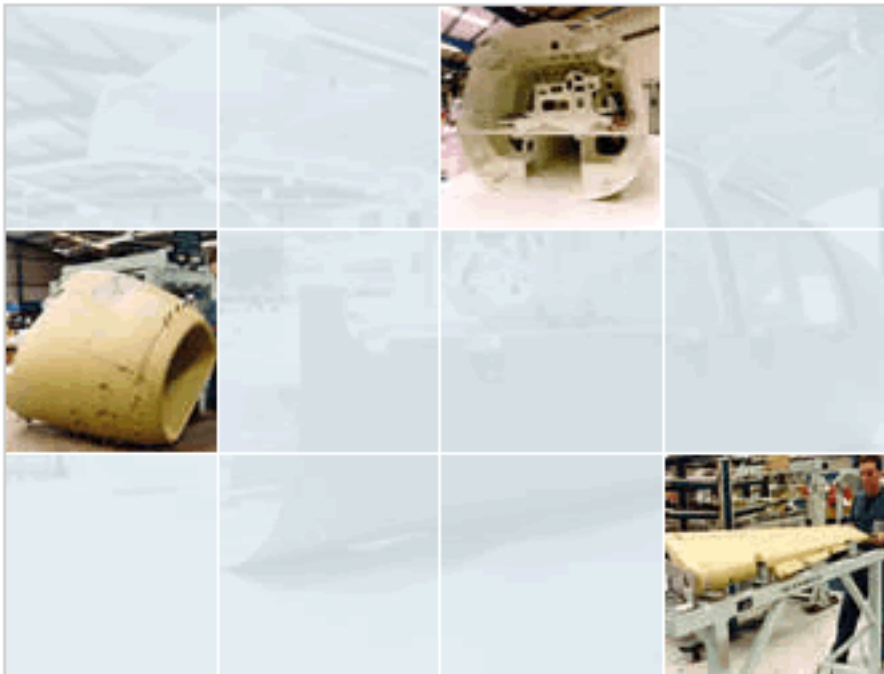
Logistics:- We are increasingly involved with J.I.T / D.L.F / KAN-BAN / FAX-BAN / KIT SETS delivered direct to the customers workstation.

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Aero structures assembly



- ▶ Service providers of repairs through:-
 - Strip / survey / details / re-assemble process
- ▶ Dedicated cells and labour for:-
 - Bench Sub assemblies
 - Floor mounted assemblies
 - Major unit assemblies ie Hawk Nose Cone
- ▶ Multi Shift, Lean Manufacture
 - Stock KAN-BAN principles
- ▶ Automatic Drill Riveting
- ▶ Facilities 2,600 Sqm with 1,500 clean-room currently available

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5 Specialist Machining Companies

- ▶ 1 Dedicated to turning excellence
 - ▶ 1 Hard and Soft metal - Batch Production
 - ▶ 1 Multi Skilled - Tactical work
 - ▶ 1 Soft Metal - Lean manufacture production
 - ▶ 1 Hard Metal - Lean manufacture production
-
- ▶ 70 CNC machining centres 3 / 4 / 5 axis
 - ▶ 20 Multi function Turning Centres

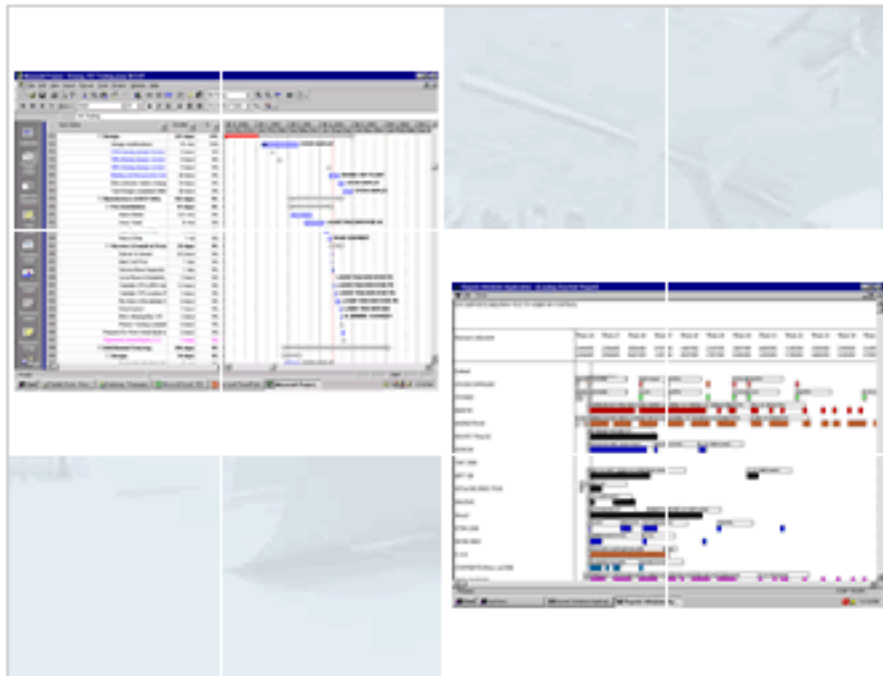
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Project management



- ▶ Complete turnkey solutions administered from one single source
- ▶ Risk Mitigation
- ▶ Risk Analysis
- ▶ Critical Resource Analysis
- ▶ Microsoft Project platform (macro scheduling)
- ▶ Group system "MANSYS" in real time monitors / schedules / capacity plans
- ▶ Process Flow Analysis

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