



DOWTY ROTOL LIMITED

ANNUAL APPRENTICES PRIZE-GIVING
AND INDENTURE PRESENTATION
MONDAY · 11 DECEMBER · 1989

DOWTY – PARTNERS IN AEROSPACE

PROGRAMME OF EVENTS

7.15 p.m. Welcome by Graham Lockyer, Managing Director

Address by
Professor Terry Hill, London School of Economics

Presentation of Prizes

Presentation of Indentures



The Queen's Award for Technological Achievement. Relating to the development of the A320 landing gear.

Following the presentations, we invite parents and guests to visit selected areas of the factory. On display are some of our advanced technology machine tools and parts of our assembly facility. For safety reasons we ask that you remain on the route which is signposted from the main exit from the canteen. We should be grateful if you would ensure that your tour of the factory is completed by 9 p.m.

We also have an exhibition of our products in the canteen. Refreshments and a buffet will be available in this area from the end of the presentations until 9.30 p.m. Please take this opportunity to talk to members of the staff present who will be pleased to answer your questions.

We hope you have an enjoyable evening.

Front Cover (top to bottom)

Final fitting of the Airbus A330/340 main landing gear mock-up, the largest ever produced for a civil aircraft.

Testing for high stress areas on a 3/4 scale resin epoxy model of the A330/340 main landing gear.

Cutting the first metal of the A330/340 main landing gear bogie units.

Braiding of composite propeller blades fitted to the Grumman S-2 Tracker propellers.

Artist's impression of the propeller for the new Saab 2000 aircraft.



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PRIZE WINNERS

First Year Prizes	<i>Craft Technical</i>	Nigel Adams Philip Hopkins
Intermediate Prizes	<i>Craft Technical</i>	Michael Turley Stephen Wheatley
Final Year Prizes	<i>Craft Technical Student Student/Commercial</i>	John Pendrey Adam Williams David Anning Tania Weobley
Special Craft Prize	<i>For outstanding practical ability and productivity</i>	Simon Jones
Special Academic Prize	<i>For First Class Honours Degree Students</i>	Roland West David Anning



The first A320 fitted with Dowty Rotol bogie main landing gears following its delivery to Indian Airlines.

INDENTURE RECIPIENTS

David Anning
Paul Bevan
Stephen Brady
Gareth Brown

Ewan Buchan
Randall Burris
Gary Caswell
Ian Childs

Laurence Collins
Martin Davis
Anthony Davies
Paul Davies

Justin Dowle
Paul Downham
Andrew Evans
Anthony Gill

Gordon Grey
Jason Hayes
John Horton
Gary James

Simon Jones
Adrian Lugg
Thomas Mills
Craig Munro

Darren Newman
Julian Organ
Andrew Paddock
John Pendrey

Shane Perkins
Mark Pflug
Alan Pritchard
Aubrey Roberts

Simon Ruffley
Allan Shurmer
Benjamin Sutton
Phillip Swift

Gordon Townley
Carl Waite
Shaun Watts
Tania Weobley

Roland West
Kevin Willcox
Adam Williams

The Grumman S-2 Tracker undergoing flight trials with Dowty Rotol composite bladed propellers.



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PROFILE OF DOWTY ROTOL

Dowty Rotol is a major British company employing 3100 people in the design, manufacture and repair of equipment for civil and military aircraft. Our major products are aircraft landing gear, propellers, high lift systems, hydraulics, gearboxes and ram air turbines. The company continues to grow and change through new people, new facilities, new markets and new technology. This growth is the result of the commitment and co-operation of a wide variety of specialists working together as a team.

Last year's sales were £138 million with an outstanding order book approaching £250 million, both record levels for the company. Our record for export achievement is formidable, with two thirds of sales going to overseas customers. Of growing importance to our export achievement is the Airbus business and earlier this year we were rewarded with a 1989 Queen's Award for Technological Achievement. This related to the development of the landing gear for the A320 programme. Coinciding with the award ceremony the company reached a major milestone of the A320 programme with the completion of the 100th set of main landing gears.

Recently we were selected by Saab of Sweden to supply the propeller system for the new Saab 2000 fast regional jetprop. The initial contract will be worth in excess of \$40 million to the company with a potential value in excess of \$100 million over the life of the programme. This confirms our position as the leading manufacturer of all-composite propeller blades.

The company is involved with a number of new projects which are progressing through the final development and pre-production stages towards final production. For the A330/340 programme we have delivered the initial metal mock-ups of both main landing gear and flap actuation system and the first main gear bogie forgings have been delivered and machining commenced. For the Allison programme we have delivered on schedule the first of this latest all-composite 6-bladed propeller to Allison, USA, following the successful completion of spin testing here at Staverton. Also composite bladed propellers have recently completed successful flight trials for the Grumman S2 Tracker re-engining programme. We are also confidently awaiting the outcome of the Eurofighter equipment selections following an extremely busy bid period earlier this year for a range of systems on this project.

We are not complacent about the competition we face for future business and markets. To continue this success we must apply all our skills and effort to new products and processes which will give our customers what they want: value for money. With the introduction of new facilities and changes to our organisation and systems, we can do just that and achieve the levels of profit to support this future investment. Typical of this enormous change in the company during the 1980s is the investment in computers for engineering and factory systems, and the new large landing gear shop to cope with the



The team involved in the production of A320 landing gears and the completion on schedule of the 100th aircraft set.

outstanding success of the Airbus A320 programme. However, investment in equipment alone is not enough. It is also important that we have a regular flow of new blood into the company, trained and qualified in the latest techniques and technologies. This guarantees a constant pool of specialists essential for the development and growth of the company.

We look forward to a successful and prosperous future, assisted by the ex-apprentices, who have joined Dowty Rotol in the last year and whom we are pleased to welcome formally to the company tonight.



The team involved in the successful completion and testing of the first propeller for the Allison T406 turboprop.

Dowty Rotol Limited

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