

PULTREX LIMITED

COMPANY PROFILE

THE SPECIALISTS

Pultrex specialists in pultrusion and pull winding machinery. Our extensive experience and knowledge in production of pultruded and pull wound profiles has enhanced the designs of the Pultrex Machinery. As well as offering die design, pre-forming tooling together with our technology transfer enables Pultrex to offer its customers a comprehensive package. This unique knowledge allows **Pultrex** customers the full benefit of more than 40 years of pultrusion experience and design skills.

THE SERVICE

We can offer a complete solution for new-comers to Pultrusion with a full turn-key package. These services can include:

- Assistance with market surveys and product selection.
- Assistance with product design.
- Factory layout and production costings.
- Pultrusion tooling design and manufacture.
- Product prototyping and testing at our own pultrusion facility.
- Complete factory equipment specification and supply.
- Pultrusion technology transfer – free with machinery purchase for the specified profiles
- Training at our in-house pultrusion operation

These services are augmented by our staff who are professionally qualified in mechanical, production, electrical and chemical engineering.

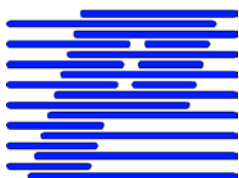
PRACTICAL PROOF OF PULTREX QUALITY

We have produced composite machinery and ancillary equipment for more than 40 years with over 680 machinery & ancillary equipment installations in 37 countries. A significant number of customers including some of the Japanese majors have more than one **Pultrex** machine. A number of these customers having between 2 and 10 machines.

PULTREX TECHNOLOGY

has been employed to provide:

- Special purpose, product dedicated, production machinery for both thermo-set and thermo-plastic applications
- Collaborative product development projects
- Carbon-epoxy pull-wound profiles
- Computer Monitoring/Data Acquisition



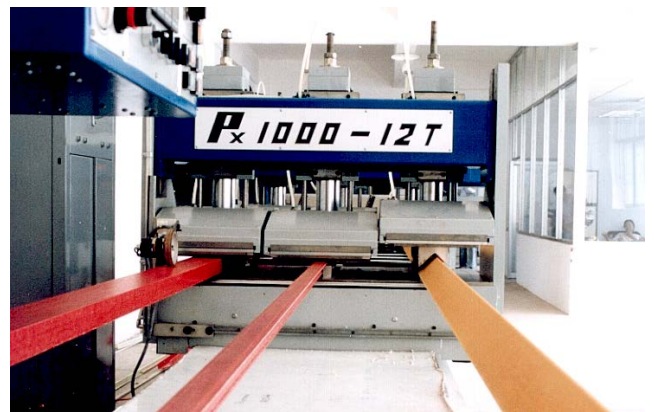
PULTREX

PULTREX MACHINES

Our design policy is one of uncompromising excellence, providing machinery and equipment for efficient, long-term reliable production.

Proven durability in machines that have been used for continuous 24 hour per day production for over forty years.

Innovative design features continue to be introduced setting the standards for other equipment manufacturers to follow



Pultrex 'first' with multiple clamp modules – allows maximum flexibility on larger machines

To take full advantage of our services we can provide, consult our sales and technical team at the earliest possible stage when planning new projects. Advice is available to ensure that the important aspects of production are fully appreciated and that machinery and equipment specified best meets requirements.

We can provide Prototyping and production facilities for their machinery customers who require profiles for market development prior to the installation of machinery.

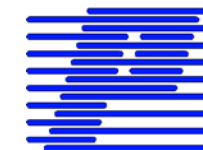
THE COMPANY We are a subsidiary of the Douglas Curtis Machine Tool Group, one of the UK's leading precision machine tool companies. The Group's product lines encompass Special purpose machine tools, Precision CNC grinding machines and online gauging, Hydraulic pressure and flow test equipment, Vision sensing systems, Machine tool loaders and automated assembly lines, Robot gluing systems, Pultrusion, Pull winding and CNC Filament winding machines.

**PULTREX LIMITED, 18-20 Riverside Avenue West,
Dale Hall Industrial Estate, Lawford, Manningtree,
Essex, CO11 1UN, UK**
Tel +44 (0) 1206 395559
Fax +44 (0) 1206 395222
e-mail: sales@pultrex.com
website: www.pultrex.com

PULTREX LTD

PULTRUSION MACHINERY

CAPACITY CHART



PULTREX

MACHINE Reference	Px250-3T	Px500-6T	Px750-8T	Px750-10T	Px1000-8T	Px1000-10T	Px1000-12T	Px1200-20T
PULLING FORCE <i>kgf</i>	3,000	6,000	8,000	10,000	8,000	10,000	12,000	20,000
PROFILE CLAMP FORCE								
Per puller (kgf) @ 6.5 bar air pressure	7,500	10,700	21,400	21,400	21,400	21,400	32,100	42,800
Standard clamping length (mm)	660	660	660	660	660	660	660	660
PULLING AND CUTTING DIMENSIONS								
Width mm	250	500	750	750	1,000	1,000	1,000	1,200
Standard height mm	125	160	160	160	160	160	230	350
Optional height mm		230	230/300	230/300	230/300	230/300	300/350	
PULLING SPEED – <i>Infinitely variable</i>								
Minimum – metres/min	0.06	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Maximum – metres/min	5.00	4.00	3.00	3.00	2.50	2.50	2.25	2.00
DIE HEATING ZONES								
<i>Self-tune temperature controllers</i>								
Standard	2	2	4	4	4	4	4	8
<i>Option: up to 24 zones on all machines</i>								
UTILITIES – <i>For standard machines</i>								
Electrical - kva	15	20	30	30	30	30	35	35
Compressed air @ 6.5 bar m ³ /min	0.02	0.03	0.05	0.05	0.05	0.06	0.05	0.04

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e-mail: sales@pultrex.com
website: www.pultrex.com**