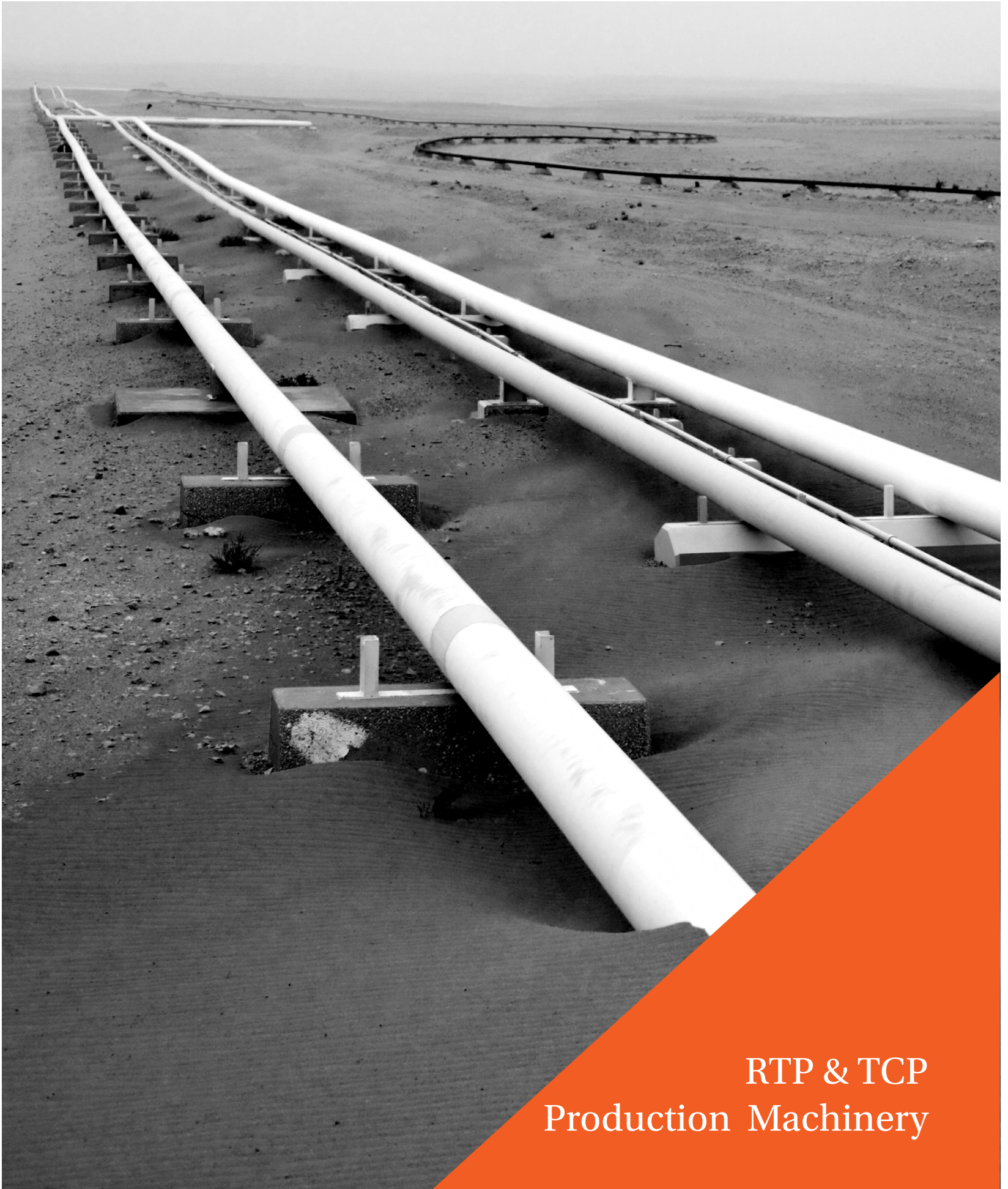
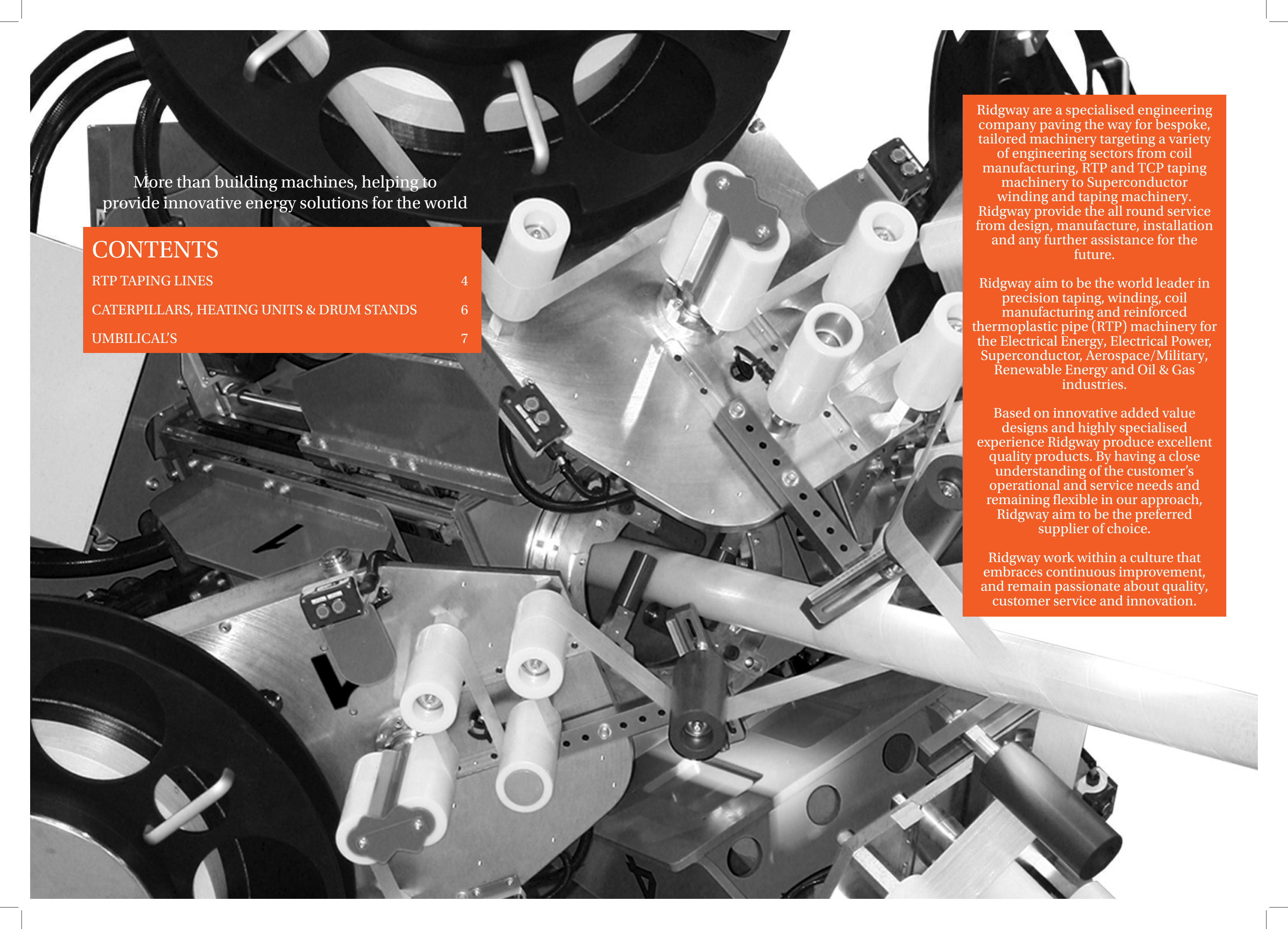




Ridgway Machines



RTP & TCP
Production Machinery



More than building machines, helping to
provide innovative energy solutions for the world

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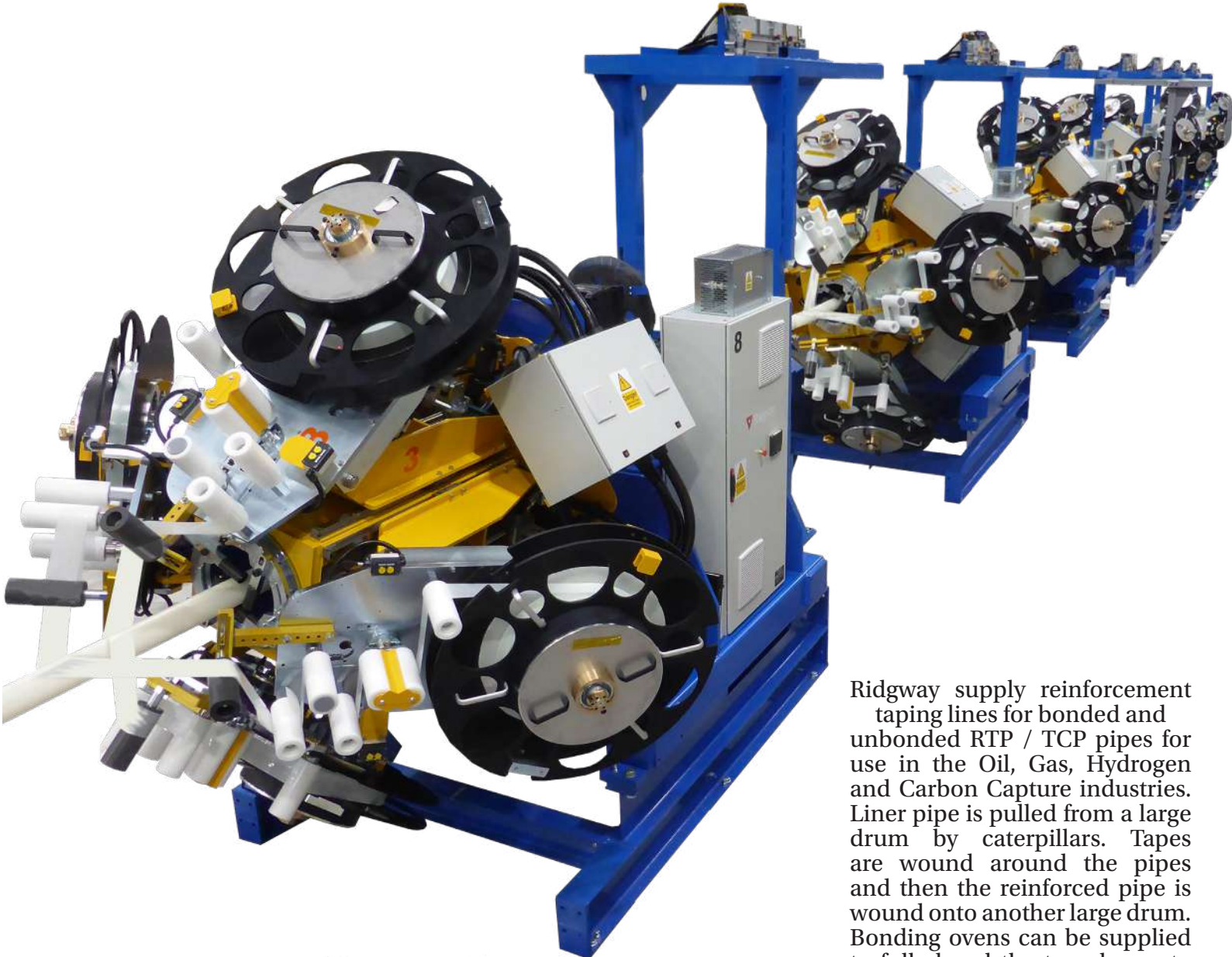
RTP TAPING LINES	4
CATERPILLARS, HEATING UNITS & DRUM STANDS	6
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Ridgway are a specialised engineering company paving the way for bespoke, tailored machinery targeting a variety of engineering sectors from coil manufacturing, RTP and TCP taping machinery to Superconductor winding and taping machinery. Ridgway provide the all round service from design, manufacture, installation and any further assistance for the future.

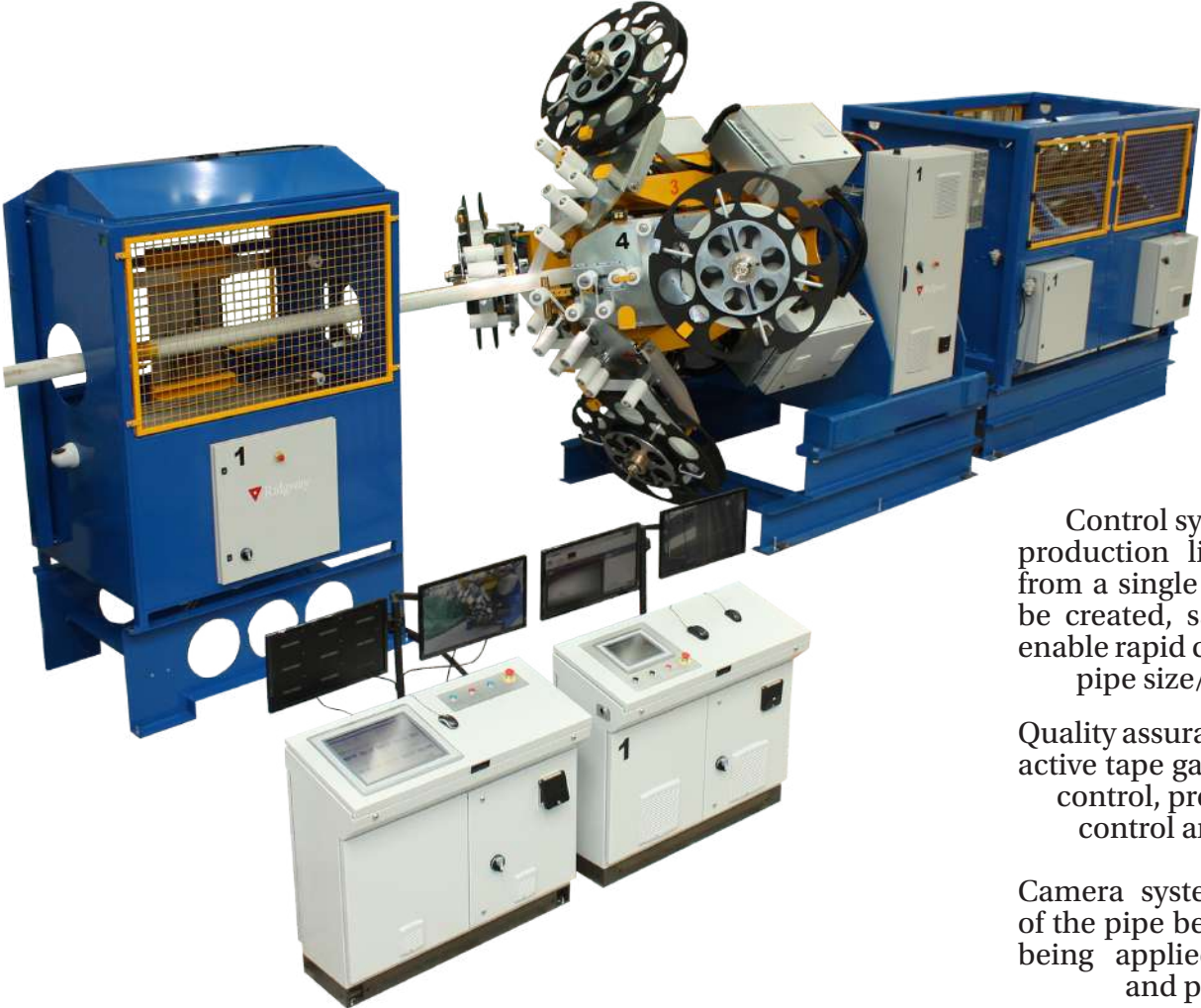
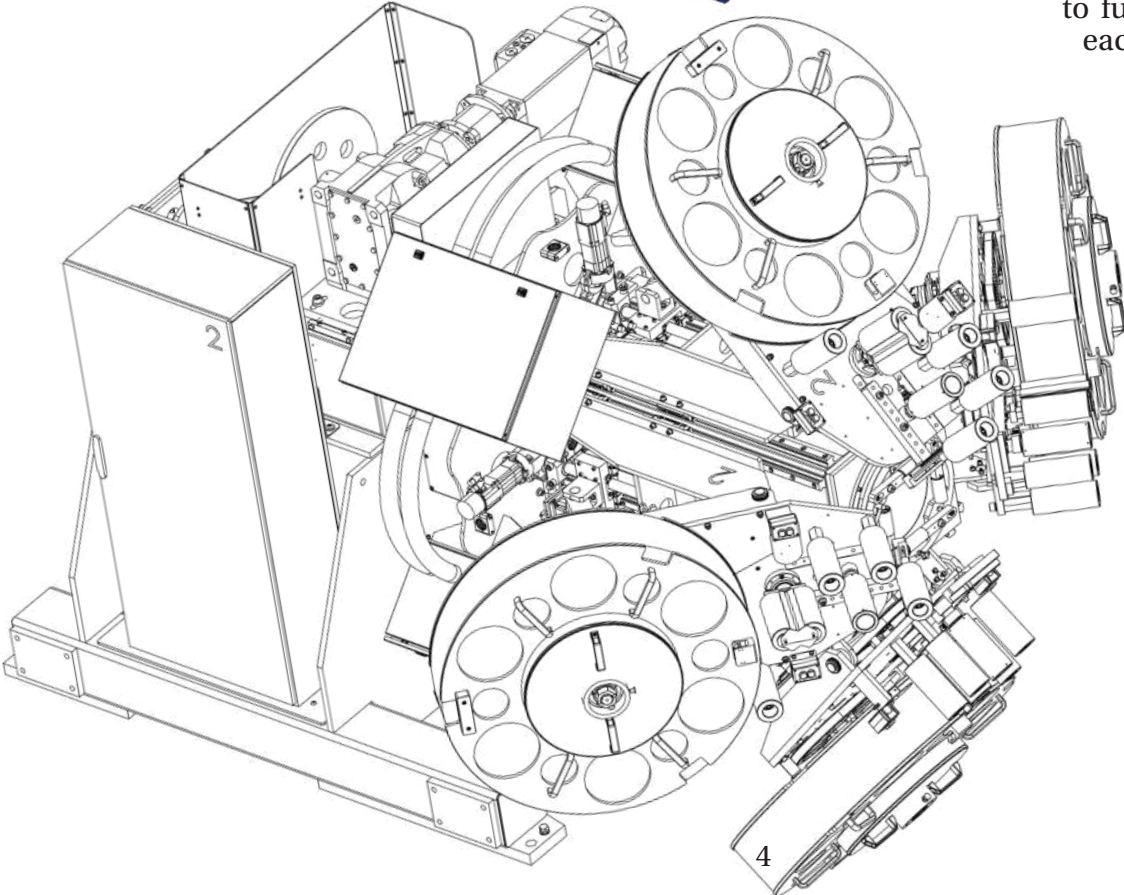
Ridgway aim to be the world leader in precision taping, winding, coil manufacturing and reinforced thermoplastic pipe (RTP) machinery for the Electrical Energy, Electrical Power, Superconductor, Aerospace/Military, Renewable Energy and Oil & Gas industries.

Based on innovative added value designs and highly specialised experience Ridgway produce excellent quality products. By having a close understanding of the customer's operational and service needs and remaining flexible in our approach, Ridgway aim to be the preferred supplier of choice.

Ridgway work within a culture that embraces continuous improvement, and remain passionate about quality, customer service and innovation.



Ridgway supply reinforcement taping lines for bonded and unbonded RTP / TCP pipes for use in the Oil, Gas, Hydrogen and Carbon Capture industries. Liner pipe is pulled from a large drum by caterpillars. Tapes are wound around the pipes and then the reinforced pipe is wound onto another large drum. Bonding ovens can be supplied to fully bond the tape layers to each other and the liner pipe.

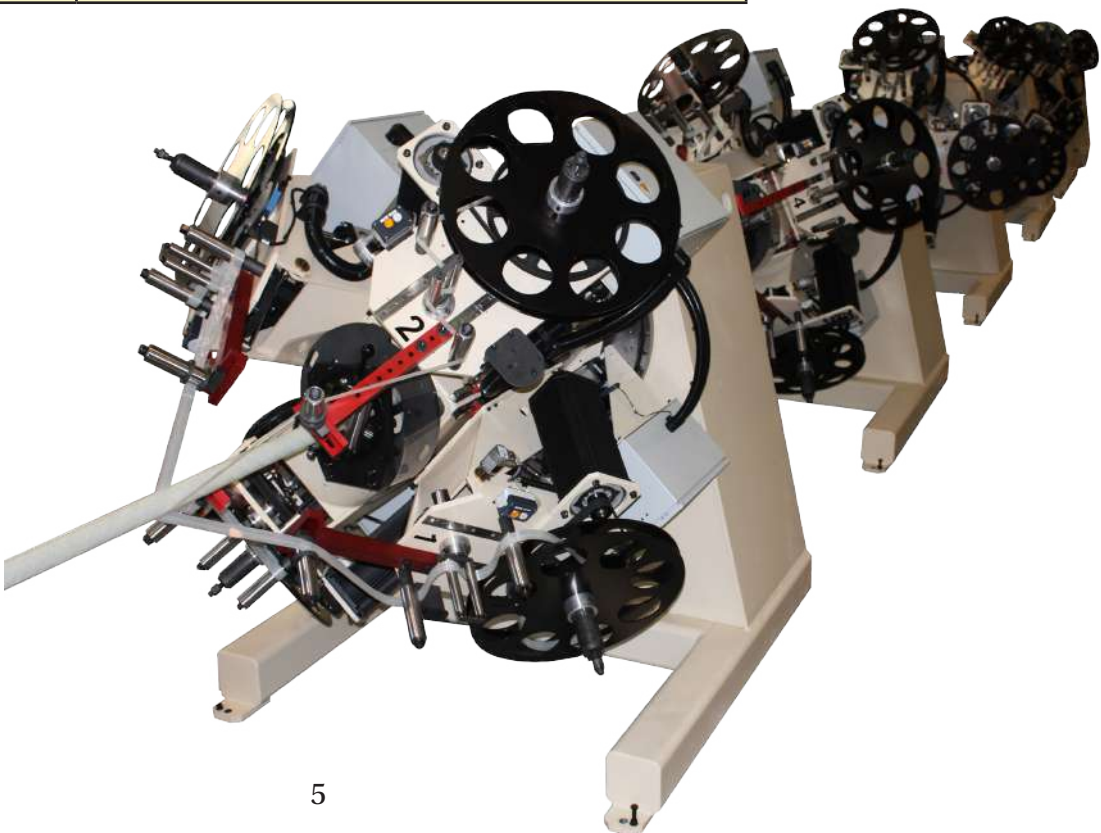


Control systems enable the production line to be operated from a single point. 'Recipes' can be created, saved and loaded to enable rapid changeover from one pipe size/type to another.

Quality assurance systems include active tape gap measurement and control, precise tape tension control and data capture.

Camera systems enable viewing of the pipe being unwound, tapes being applied, heating systems and pipe winding.

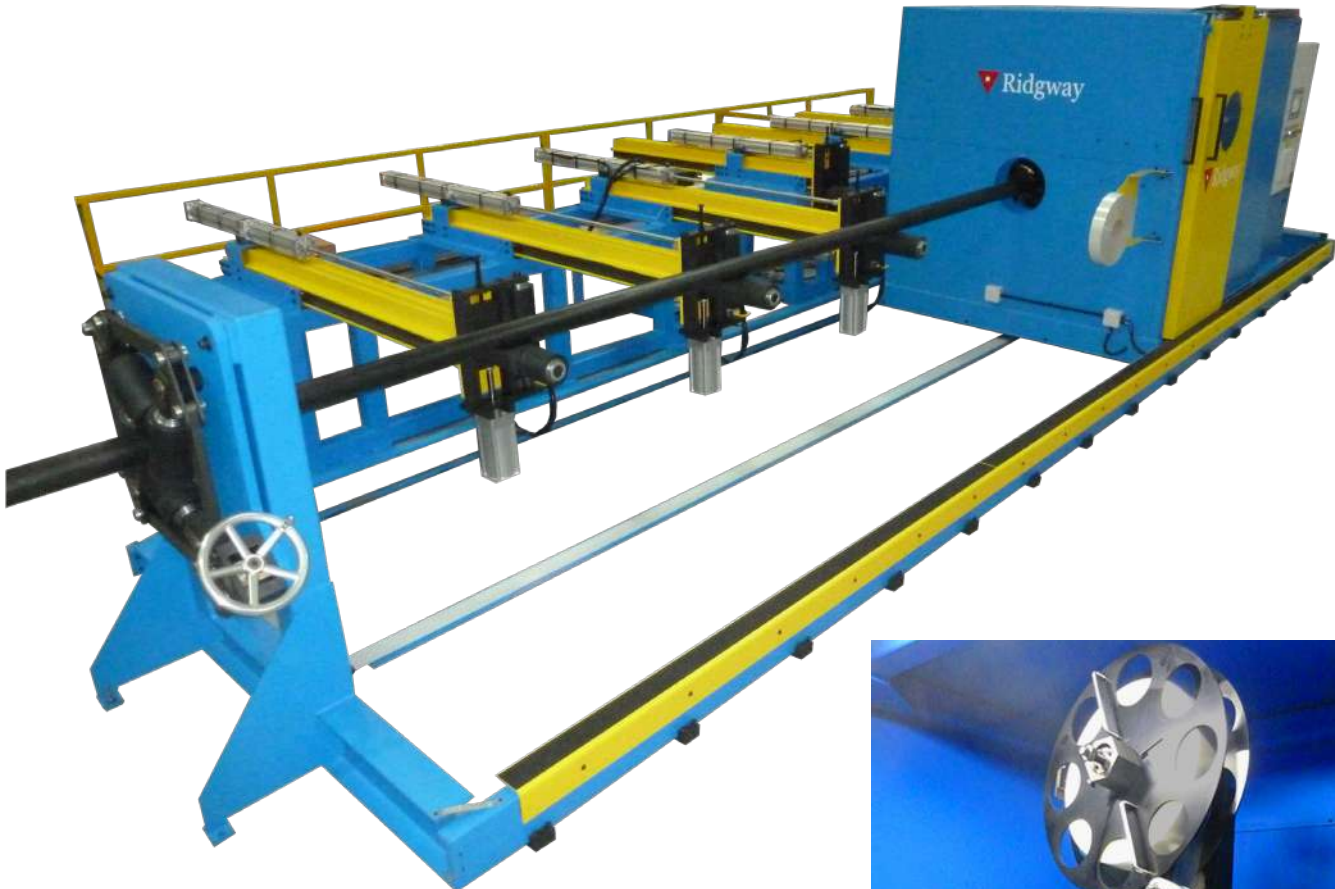
TAPE HEAD ROTATION SPEED	Up to 25rpm
TAPE PAD DIAMETER	1200mm maximum
TAPE PAD WIDTH	70mm to 210mm
TAPE PAD BORE	152mm
TAPE PAD QUANTITY	2 or 4
TAPE MATERIALS	Polymer with glass, aramid or carbon fibre reinforcement





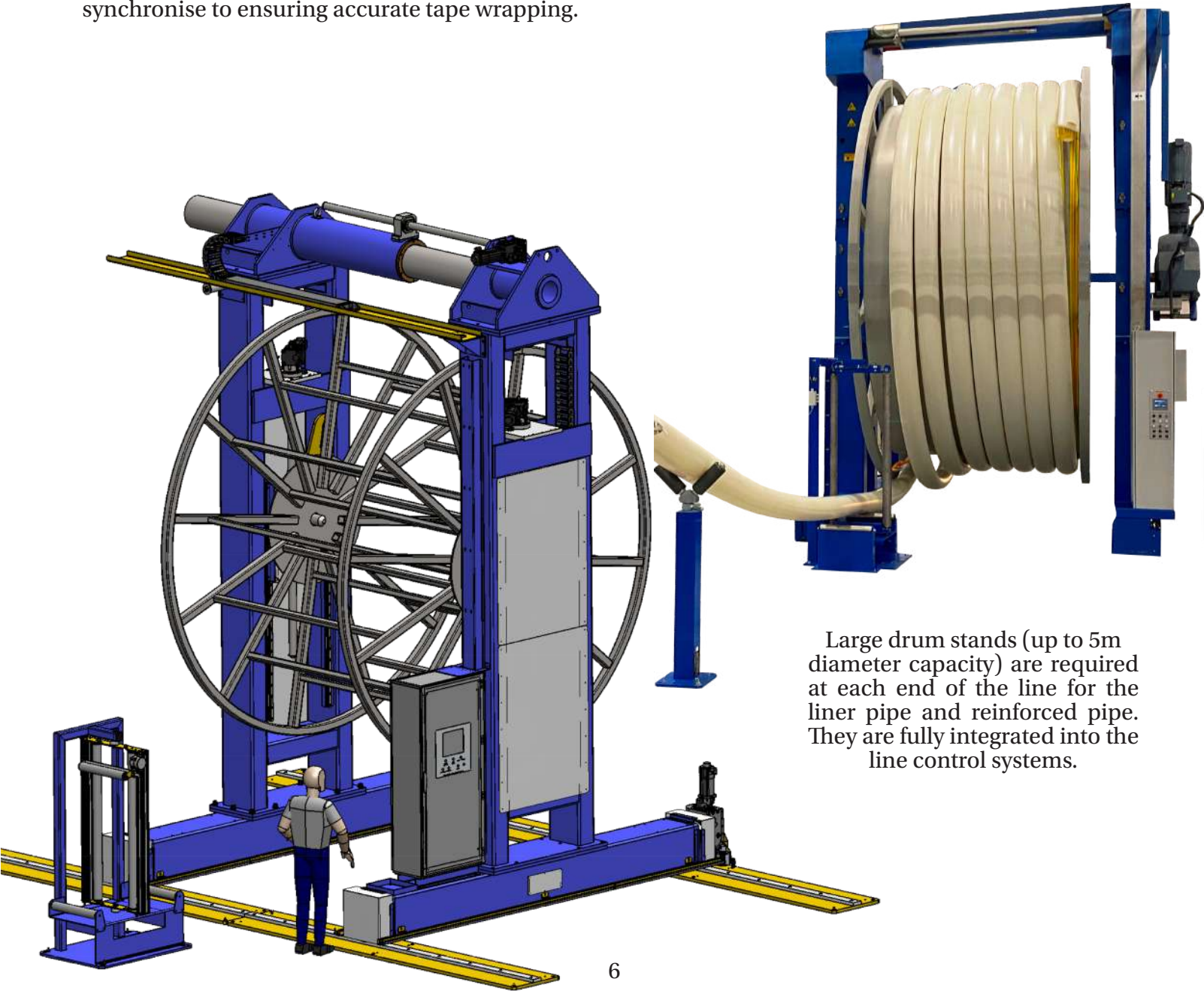
The 4 track caterpillars are self-centring to accommodate a range of pipe diameters. They pull the pipe through the line at a controlled speed. This provides a speed signal that the tape heads synchronise to ensuring accurate tape wrapping.

Bonding ovens are supplied complete with precision temperature control systems to bond the tapes to the liner pipe and to each other.

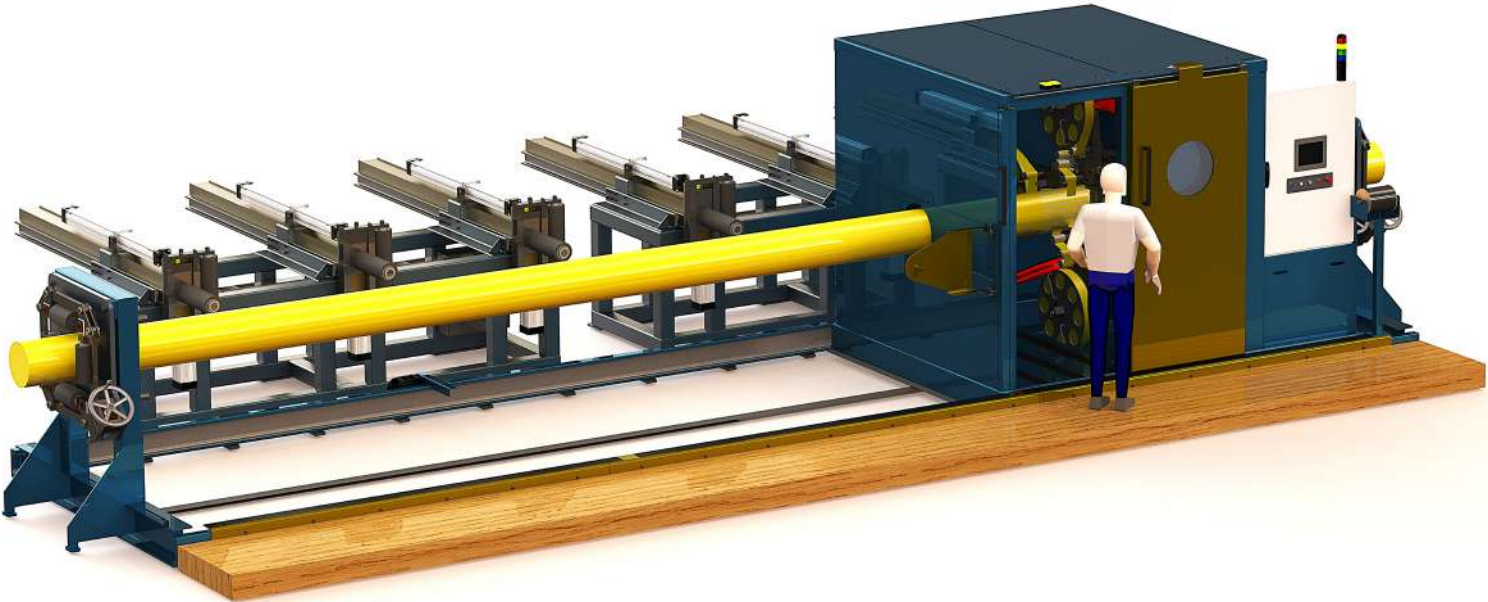


This umbilical taping machine is designed to apply an array of plastic based tapes to umbilical pipelines. As the umbilical passes through the machine, the rotating tape head produces spiral wraps onto the umbilical. The machine is fitted on rails to allow for tape package changes without the need to stop the umbilical production line.

TAPE PAD DIAMETER	Up to 600mm
TAPE PAD WIDTH	50mm to 80mm
TAPE PAD MAX WEIGHT	35kg
TAPE PAD BORE	76mm or 152mm
TAPE PAD QUANTITY	1, 2, 3 or 4
ROTATING SPEED	0 to 50rpm max



Large drum stands (up to 5m diameter capacity) are required at each end of the line for the liner pipe and reinforced pipe. They are fully integrated into the line control systems.





Ridgway Machines



Other Solutions



Wire & Cable
Taping Machinery



Coil Taping
Machinery



Superconductor
Cable & Coil Machinery



Coil Manufacturing
Machinery



RTP & TCP Taping
Machinery



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