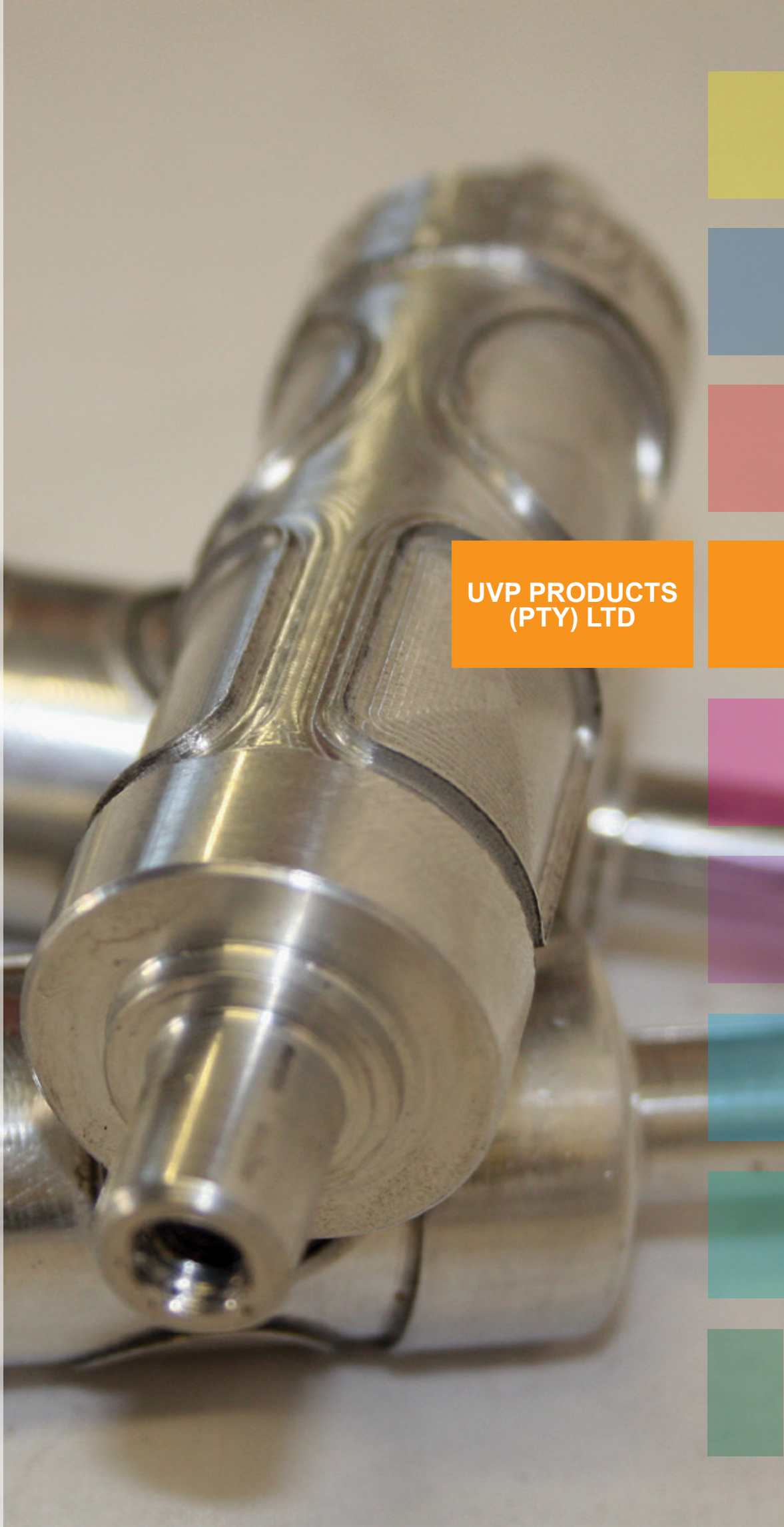


SOLID STEEL ROTARY CYLINDERS



UVP PRODUCTS
(PTY) LTD



Solid Steel Cutting Cylinders

Solid steel cutting cylinders used by the Narrow Web Flexo industry are CNC cut using the best high Chrome Steel available. The electronic file is received from our clients and processed through our CAD/CAM software. Depending on a client's request, we can send a 3D proof to them, before the job goes into production limiting errors. Our experienced staff are continually involved in each step of the process and their extensive knowledge of the equipment enables us to produce tooling that works. Each cylinder is NC center ground both before CNC sharpening and then again before hand finishing and testing. Each cylinder is tested, under simulated cutting action, over a number of rotations to ensure the tool is doing what it is designed to do. A drive gear is supplied with each of our new cylinders and this is mounted and NC ground true to the bearers and the end journals.

Upon request, we can Vacuum Harden the cylinder, producing a very hard cutting edge and extending the life of the tool.

Re-sharpening & refurbishing

All our solid steel cylinders can be re-sharpened. This is done by hand by our skilled technicians, magnifying the cutting edge ensures an even result. The bearers are NC ground before the sharpening process and then after the sharpening is complete. The cylinder is tested under simulated cutting action over a number of revolutions to ensure the tool is cutting true. During the re-sharpening & refurbishing process, the journal ends are also NC ground to the center to ensure all runs true to the cutting edge. The drive gear is also NC ground true to the bearers and the journals. This process results in a refurbished cylinder which is as good as new and this can be done a number of times in the life of the cutting cylinders.

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Licensed Manufacturers of the Patented UniFlex® System

