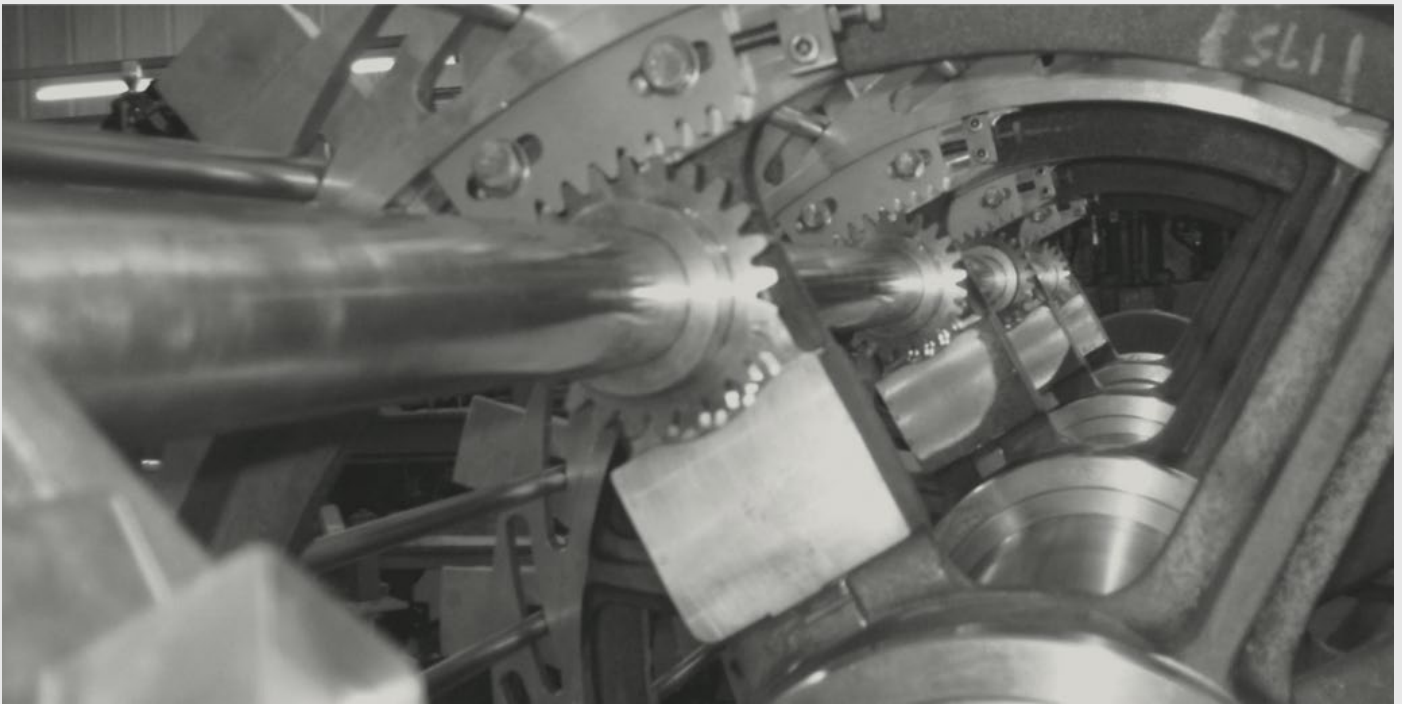


OUR PRODUCTS

SECURITY SUITE



Thanks to our heritage and expertise in engineering and the paper making industry, Woollard & Henry is perfectly placed to offer consultation and advice on the design and manufacture of paper machinery for the production of cylinder mould produced security grade papers. We specialise in the design and manufacture of wet-end components where Vats, Formers and PressSection upgrades can significantly improve quality and output speeds.

Our team can also apply their technical skills to enhance other sections of these machines:

The Main Ply Vat:

- Improved inlet manifold systems
- Vat Inserts, draught and overflow drainage systems optimised to the machine product and output
- Vat Inserts can be interchangeable to suit machines with a wide range of production speeds and product weights
- Cylinder mould and Suction Couch vacuum systems
- Dandy Roll systems
- Suction Slice devices for improved water removal at the couch nip
- Security Thread Insertion systems

Cylinder moulds

- Fixed diameter cylinder moulds
- Expanding cylinder moulds of improved accuracy, design and usability
- Highly accurate cylinder moulds for use in the Short Forming sections

Former section:

- Section includes a highly accurate former mounted on framework with run-out gear - mould vacuum system if required - and is fitted with a purpose-designed cylinder mould of extremely high accuracy

Press sections:

- Advice available on the design of the press section including roll sizes, pressures, covering materials, roll configurations etc.

WADING ROLL SYSTEMS

Woollard & Henry is the only company to produce driven wading rolls, capable of incorporating an internal cleaning system. As a bespoke product, our Wading Roll Systems are designed to fit your existing Vats avoiding the need for a major mill rebuild. Our driven Wading Roll Systems eliminate both 'skidding' and drag, improve sheet formation, watermark clarity and remove the effects of the standing wave, all whilst enabling improved machine speeds and extending the life of the mould covers. The wading roll can also be run at up to 60% penetration, and still be driven, affording our customers optimum control and flexibility.

FEATURES & BENEFITS

Maximum drainage:

Internal and external cleaning on each system ensures maximum drainage at all times in all running conditions

Variable penetration:

An offset drive facilitates 0 – 60% penetration providing greater flexibility

Quicklift:

Easy access and quicklift as and when required

Extends component lifespan:

With the mould cover not driving the roll, wear and tear is reduced

Maintenance access:

Maximum clearance from the mould during quicklift enables easy removal of expanding cylinder moulds without the need to remove the wading roll

Bounce control:

Facilitates bounce control for older expanding cylinder moulds with inaccurate circumferences

COVER BUILDS

With nearly 130 years of watermarking experience, Wollard & Henry is in the unique position of being able to provide cover builds, from artwork concept to completed four cover build, ready for fitting to an expanding cylinder mould. We are able to offer both registered marks and all over watermarks with no visible seam marking. We have created security watermarks for over twenty companies across five continents. Rest assured, however, that as an independent business, client-confidentiality, discretion and security are of paramount importance.

EXPANDING CYLINDER MOULDS

Woollard & Henry design and manufacture a range of expanding cylinder moulds and short former rolls. These are used in the production of the main and twin ply for bank notes and high security papers. Woollard & Henry expanding cylinder moulds offer both circumferential grids or lateral grid systems to support the mould covers. However, as machine speeds have increased dramatically in recent years, circumferential grids, which reduce the paddling effects of lateral grid plates, have become more popular. Every mould we produce is designed to the customers' exact specifications.

FEATURES & BENEFITS

Bespoke design:

Every ECM mould is bespoke to the commissioning mill

ECM expansion:

Our ECMs are unique in having a guaranteed expansion range capability of 220mm over the diameter

Grid plate expansion:

Our grid plates can accommodate up to 70mm expansion

The above expansion ranges can be achieved on one central body

Accuracy:

Our ECMs deliver less than 0.2mm deflection on the diameter

Change time:

Grid plates can be changed within an hour

Paddle effect reduction:

Machine direction and top fins reduce paddling effect

Easy cleaning:

Open construction ensures paper stock does not get trapped