



ARDEN DIES
CORRUGATED BOARD CUTTING DIES



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welcome

Die-making has seen rapid evolution within the print and packaging industry, progressing from the traditional hand cut formes to today's state-of-the-art laser technology delivering the highest specifications in both design and performance.

Arden Dies has been at the forefront of that evolution - continuing to invest in the technology that has driven the innovation that you see today in our products.

With decades of industry experience between them, here at Arden our highly-skilled team is our greatest asset. Our ability to innovate, create, problem solve and evolve is why we deliver to our customers the highest level of technical support, creative advice, and service that we do.

We have a dedicated team that services both the corrugated and carton board markets especially in the pharmaceutical, luxury packaging, cosmetic, cigarette, beverage, and food sectors.

Packaging design demands more than ever before from its supply chain to stand out in this challenging market where the consumer is king. Lead times are shorter, design is more

complex, digital technology is explored and boundaries are being pushed to strive for that iconic piece that catches everyone's attention. Carton design plays a key role in that process and we understand this. Each customer demands the best and we strive to deliver it.

We're also incredibly proud to be leading the way in the die-making sector with our eco-friendly operations and commitment to sustainability. Protecting the environment is everyone's responsibility and we're the first die-making company in the UK to achieve the ISO 14001 accreditation – internationally recognised for being an environmentally friendly company.

We don't use chemical processes in our production and the majority of the products we produce are between 80-100% recyclable. We're playing our part in the protection of our planet, and we continually review our product range to see where we can make alternative, more sustainable material choices.

Arden is the leading name in die-making and we're incredibly proud of the role we play within the growing industry that is packaging.

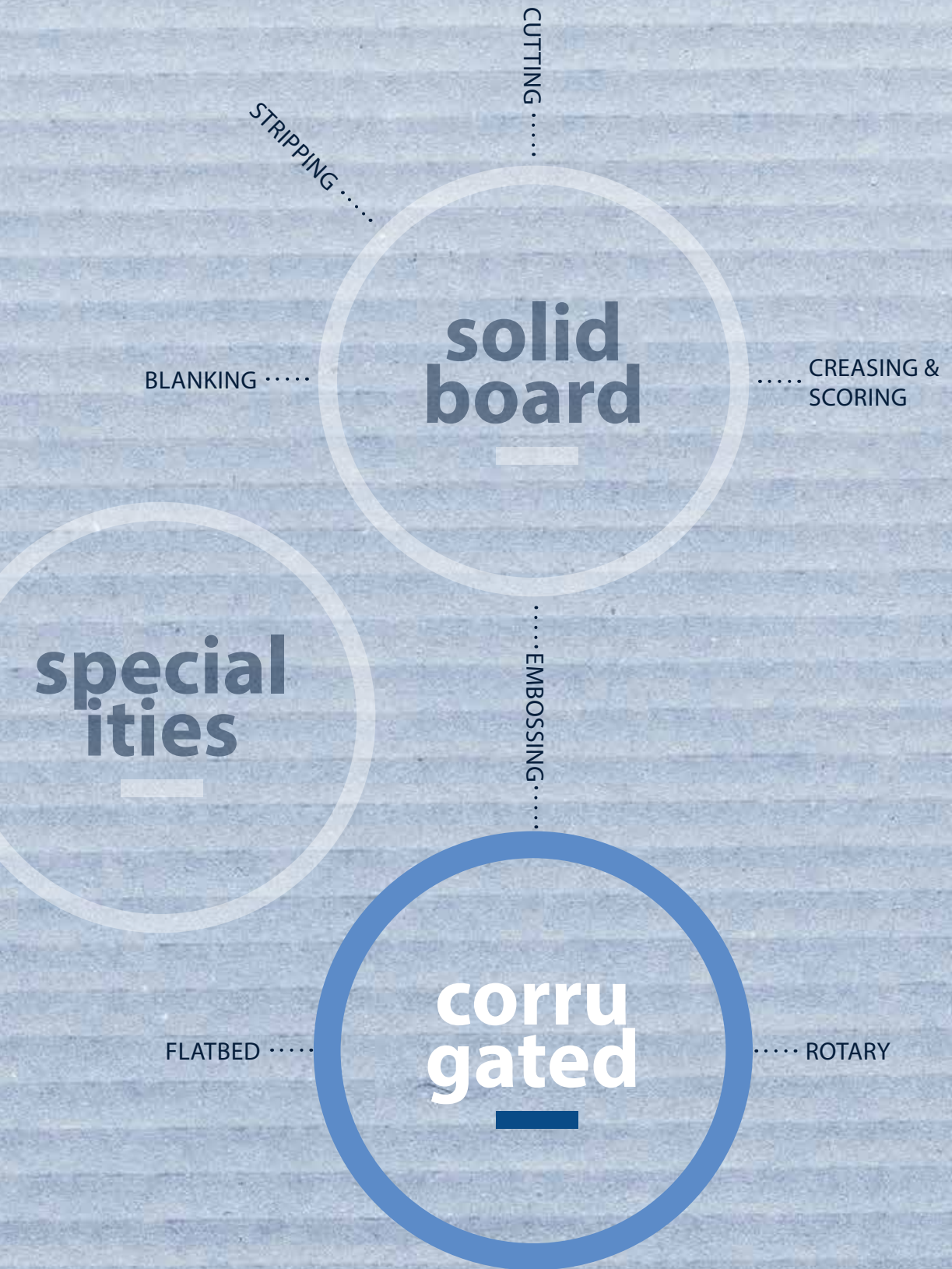
portfolio

Arden is the leading name in die-making. Founded in 1964, we're world-renowned in the packaging industry for our quality die-cutting and associated tooling solutions.

Working with some of the world's leading packaging converters for more than half a century, we're committed to continual investment in tooling technologies to deliver the highest quality, most innovative products, and to meet the ever-increasing demands of the carton and corrugated sectors.

You can rely on the expertise of our highly-skilled workforce to bring you the latest in high precision engineered tooling for all your die-cutting, stripping and blanking requirements. Our range of tooling solutions are driven by innovation and are at the cutting-edge of industry standards.

We're one of the world's leading die-makers, with our headquarters in Greater Manchester, UK, and as part of a global packaging organisation, we're perfectly placed to deliver a first in-class service, ensuring optimal performance for all of your packaging needs.





corrug





gated

Arden Dies specialises in both flat and rotary tooling technologies, so we can match all of your machine specification needs. With premium quality materials and a wealth of knowledge and experience in this sector, we're attuned to whatever your cutting and creasing techniques or rubbering requirements might be, and we're here to advise and support your specific tooling and project needs. We provide tooling support and solutions to some of the world's leading corrugated board converters, so you can trust in Arden to deliver the exact specifications to meet your expectations.



ROTARY

Manufactured from premium quality materials by our highly skilled workforce, our dies produce dimensionally accurate blanks, which are extremely durable and perform at the highest production levels.

The Arden Dies team have developed and honed our rotary specifications and knowledge over the past 25 years, driven by the UK's largest corrugated suppliers who constantly push the boundaries for better results. Our rotary blank accuracy is unparalleled, and our ability to produce full and part cut dies in a full range of diameters, means Arden Dies is the only die-maker in the UK that can meet every possible demand. We have continually invested in the best and latest technology to bring our customers the accuracy, repeatability and options including spares, that the industry demands. Our customers demand the highest technical complexities for end-user automated production lines. Thanks to developments in technology and innovation, and the skills and experience of the Arden Dies team, we can achieve complex 30 up Rotary Dies, previously only seen in flatbed. We have an unrivalled knowledge of the technicalities of Rotary die-cutting, meaning we can achieve up to five out back-to-back blanks without difference.



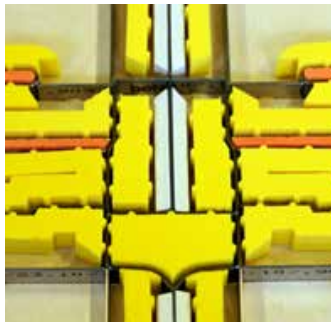
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FLATBED

Arden Dies provides flatbed tooling for any format of flatbed corrugated machines. Our press ready tooling can be produced to meet your production needs.

With Arden Dies, you can be confident that our press-ready tooling is produced with the highest quality materials, alongside decades of technical knowledge, to deliver the largest range of Dies for corrugated flatbed presses. Our high-speed tooling can be tailored to your exact specifications and to meet your budget. Whatever your requirements, you can trust in Arden Dies to deliver first-rate, long-lasting and durable dies and tooling solutions at a price to suit you and your business. Our advanced cutting technologies guarantee the highest performance and provide minimal bedding-in and nicking, alongside swift set and re-set times – saving you time and resources. Our lower cutting pressure requirements also expands the operational tonnage window resulting in minimal swarf and angel hair. With our extensive knowledge and experience of flatbed tooling, Arden Dies can deliver optimum scoring and creasing technology with our reverse score and engraved steel plates in order to optimise SRP features and make-ready matrixes.



EMBOSSING

With our in-house engraving division – Arden Engraving – located on-site, we're perfectly placed to complete your total corrugated embossing requirements.

Whether it's the embellishment of luxury packaging or our Braille embossing solutions for the pharmaceutical sector, we can help you add the finishing touch to all your corrugated packaging needs.

ROT



Machine Types

Arden Dies manufactures the full range of diameters from 174mm to 650mm to fit an extensive variety of machinery. Our dies can be manufactured with different mounting systems from simple bolt mount to Posi-lock hoops and Serrapid mushroom systems, offering you maximum flexibility. Our tooling covers both dedicated die-cutters and case makers, which are built to consistently perform at maximum run speeds, ensuring an increase in overall productivity and delivering the maximum value to your business.



Stripping

Our industry-leading waste stripping systems ensure minimum waste contamination in the finished boxes. Our most complex tooling produces 2.4 million pieces of waste per hour with only a minuscule number of unwanted pieces making it to the pallet. Thanks to our waterjet cutting machines, we can ensure the highest accuracy in rubber ejection technology is achieved, as well as the option to offer spare rubber-sets to further enhance our product value. For Mitsubishi-style mechanical stripping, we have developed bespoke software to locate the stripping parts, and we use laser cut steel lifters to ensure that the highest stripping speeds can be achieved. Owing to our investment in a rotary specific laser with an integrated CNC router, we have automated this process to further demonstrate our commitment to providing the highest level of accuracy and quality in our products.



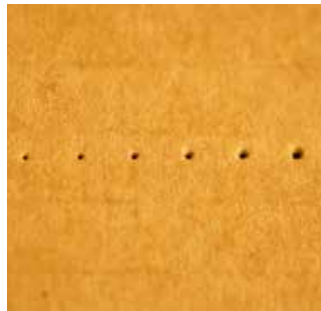
Pressure Gauge System

For many years, printing pressure marks have been very important to set print correctly and consistently, but in rotary die-cutting there has not been an option until now. Our rotary pressure gauge system uses incremental points to enable the recording of the optimum pressure. The points are counted when the die-cut achieves the correct crease and cut pressure, which can then be documented so repeat orders can quickly and consistently be matched.

ARY

CUSTOMER BENEFITS

- Ability to produce SRP rules in-house to meet your requirements perspective
- Premium quality materials used throughout the process and benefiting from the highest accuracy in laser technology
- Build quality ensures maximum longevity and value for money
- Highly skilled workforce to provide onsite and remote technical support
- Minimal operator intervention from a nicking and layboy perspective
- Provision of replacement rules to enable you to make repairs and fast design changes
- Full range of rotary shell diameters to service every machine on the market

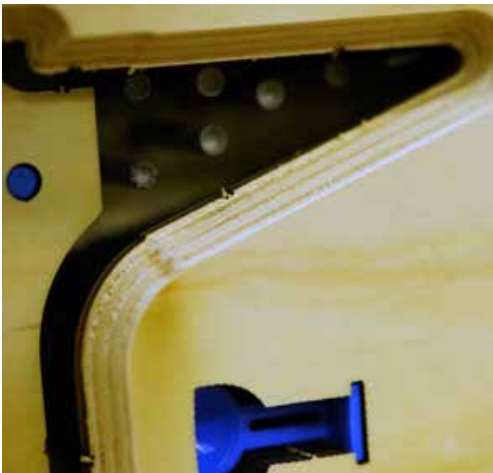


FLATBED



Stripping

Arden Dies brings you the ultimate in stripping technology. From standard designs to the most complex, our dynamic stripping tools are guaranteed to perform, however intricate the layout. Our Top Plate system is the tool of choice for those more elaborate designs where stripping demand is high. Here at Arden Dies, our strength lies not only in our first-class tooling solutions, but also in our highly-skilled and experienced workforce. You can rest assured that our products are designed and produced by some of the most skilled craftsmen in the industry, delivering the highest quality and value for our customers. And our service doesn't stop there, with Arden you'll have peace of mind that we're always on hand to provide any technical support and advice.



CUSTOMER BENEFITS

- High speed, durable tooling produced with high quality materials
- Decades of knowledge to bring you high levels of service and technical support
- Reverse Score for Corrugated SRP features
- Lower cutting pressures leading to expanded operational tonnage window
- Quick initial set and re-set times due to rule characteristics with minimal 'bedding in'
- Dynamic stripping as standard and Top Plate Strip unit for complex waste designs
- Engraved steel plates to reduce matrix related issues
- Press-ready tooling with minimal operator nicking and interaction



EMBOSSING

Our specially formulated system allows a clearance between the component parts to ensure that any crushing of the fluted board is kept to a minimum, delivering an effective and well-defined embossed result. If you're looking to elevate your packaging onto the premium platform, we can provide tooling that will enhance your graphics or simply lift the substrate with a contoured blind embossing. Wine boxes, beverage packs, confectionary

SRPs, food cartons, will all benefit from this added value process and lift the profile of the product from the shelf. Specialised finishes such as Braille embossing can also be considered as part of your overall package.

Our packaging specialists are here to advise and guide you on the best options to take your shelf-ready packaging to the next level.

www.ardenengraving.com

ABOUT US

Here at Arden Dies, we're proud of our history – it makes us who we are today.

The Arden journey began in 1964 in the cellar of a semi-detached house in Stockport, when brothers Frank and Philip Poynter set up a die-making operation from their family home. Fast forward more than half a century since the Poynter brothers first set to work in their 10ft underground workspace, and Arden is the leading name in the die-making and packaging sectors.

The Arden group of companies employs 165 people around the world and has an annual turnover of £11 million, through our Dies, Engraving and Software divisions. With a global workforce of highly skilled and talented people, and operations around the world including Germany and the USA; we are proud to work with some of the largest producers in the packaging sector, who know they're in safe hands with Arden Dies.

Visit www.ardendies.com to read the full Arden Story.



Arden Dies



SERVICE

We understand that the measure of any company is in both its products and its services and Arden Dies is no exception. Whether it is working with your design team to offer solutions, or advising on capabilities, we can support your needs. Our sales team are here to support your ongoing projects and technical queries in both the design stage and on-press assistance when needed, to enable you to deliver the highest level of service for your own customers.



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Arden Dies

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