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**IKADAN**  
think plastic 



# Think plastic



A world without plastic is hard to imagine. The material has become an indispensable part of our lives and is used for an ever-increasing number of purposes – sometimes simply as parts and sometimes as complete products. Thousands of different plastics are currently available, each with its own unique properties. Plastics can, for example, be hard or soft, colourful, translucent or transparent. Plastic is therefore not simply one single material suitable for a limited number of uses, but rather a myriad of materials with endless possibilities.

## The only limit is your imagination

At Ikadan Plast A/S, we recognise the countless possibilities for utilising plastics in practical applications. We supply injection-moulded plastic parts to a wide range of industrial sectors. Founded in 1994 and based in Ikast, Ikadan Plast is part of the Ikadan Group. Our team of



in-house and affiliated experts turn our customers' ideas into reality. Quality is the focal point in all development stages. We therefore cooperate solely with an exclusive circle of mould manufacturers and engineers in Denmark and abroad. As a result, we can develop plastic solutions all the way from drawing board to production line.

Besides developing engineered plastic parts for a broad spectrum of customers, we also specialise in the production of plastic packaging – particularly returnable packaging. A dedicated department at Ikadan Plast works closely with some of Europe's leading designers and engineers to ensure that each and every part we make is well designed and capable of meeting customer expectations.

With Ikadan Plast, there are thus many possibilities but few limitations.



Functionality and aesthetic appearance merge perfectly in the design of boxes and shelves for Vestfrost fridge-freezers.



Ikadan Plast is a professional and competitive supplier of injection moulded plastic parts to a large number of sectors – ranging from dairies, breweries and industrial bakeries to electronics firms and retail chains.

# The latest technology



For a production company to be competitive on the global market, it is imperative that its machinery and equipment work perfectly – every single day of the year. From a technological point of view, Ikadan Plast is a world leader, with some of the most modern and well-equipped production facilities on the market. Our machines are all fully automated with CNC robots and computerised monitoring systems to ensure exceptional quality and low-cost production to the benefit of our customers.

## 24/7 production

Ikadan Plast produces plastic parts 24 hours a day, 7 days a week. In other words, we utilise our production facilities optimally – and, equally importantly, we utilise our customers' moulds efficiently, preventing unproductive periods of

non-use. There is therefore no need for our customers to invest in additional moulds, which is often a considerable expense.

## All equipment is robotic

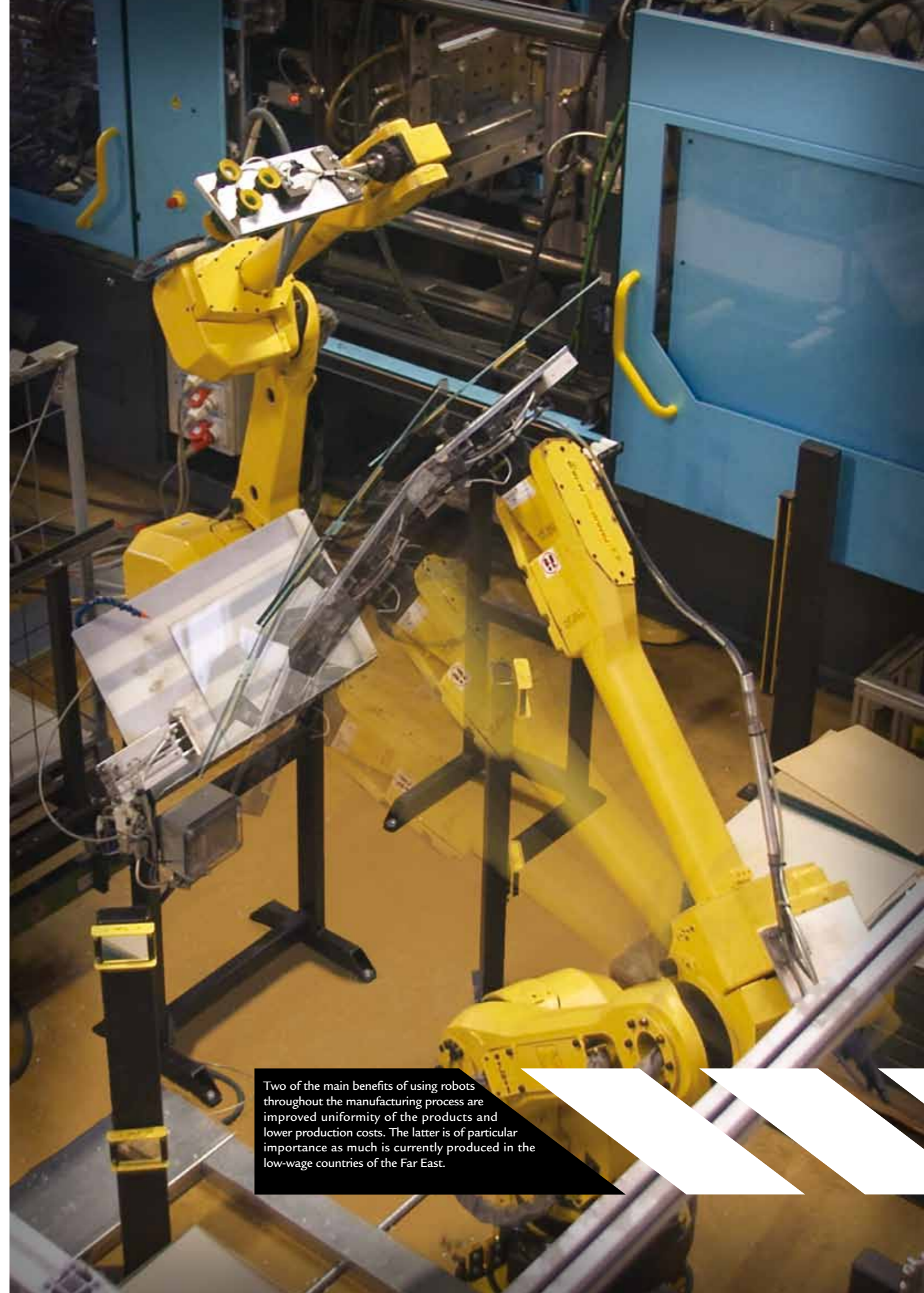
In pursuit of our vision of success on the global market, we invest continually in new technology and machines. We plan strategically and are of the opinion that time is money. Consequently, the focus in everything we do is on efficiency without compromising quality. The majority of our production lines are therefore fully automated with CNC controlled robots and driverless trucks. This helps us save time and ensures the production of more uniform parts with lower waste percentages. Thanks to our high degree of automation, we are always able to supply high-quality parts at very competitive prices – and at the agreed time, needless to say.



Sometimes, huge demands are made on material strength. The bracket above weighs 10 kg and is used for offshore fish farm catwalks. It must therefore be capable of withstanding constant buffeting by waves and large temperature fluctuations.



Encasement of tempered glass shelves.



Two of the main benefits of using robots throughout the manufacturing process are improved uniformity of the products and lower production costs. The latter is of particular importance as much is currently produced in the low-wage countries of the Far East.

# Your **needs** our solution



With in-line laser engraving, any sized batch of plastic crates can be furnished with bar codes, sequential numbers, logo, etc.

In a continually changing globalised world, there is a constant need for innovation and the development of new products. At the same time, there is now more focus on the environment than ever before. It therefore pays to concentrate on solutions that are both environment friendly and cheap to produce. And it is precisely in these respects that plastic is such a wonderful material: it is very durable and it is recyclable. Furthermore, plastic is usually cheaper than aluminium or steel and can therefore often give existing products new life – by redesigning and manufacturing the entire product or parts of it in plastic.

## More and more is plastic

About a third of the parts in a modern car, for example, are made of various types of plastic. Plastics are presently replacing a range of materials previously used for vital car components. This is not only because plastic parts are often cheaper to manufacture but also because numerous new types of plastic have now been developed, each with its own unique properties. Such technological advances have not only been of radical importance for the automotive industry

but have also played a critical role in all parts of society.

That's precisely why we can help you with a plastic solution.

## Tailor-made specially for you

Ikadan Plast has many years' experience in developing customised plastic parts for a wide variety of customers. Our highly skilled staff, state-of-the-art technology and highly competitive production lines will be made available to you in the development of plastic solutions that match your needs. We strive as far as possible to meet any need for plastic parts and can manufacture items weighing from just a few grams to ten kilos. Should we ourselves be unable to provide the specific competences required for your task, we can draw on select partners in Europe and Asia, all of whom live up to Ikadan Plast's high requirements on quality.

If you do not need a customised solution, we also offer a range of standard modular crates and pallet solutions in plastic.



Dairies have for many years been aware of the benefits of using plastic crates to handle their various products. Every day, hundreds of thousands of milk crates pass along the production lines in Arla Foods dairies. Each and every milk crate must be capable of withstanding the route from conveyor to lorry to shop – each and every day of the year.

# Small details **big** differences



IML ensures optimum photographic decoration which is not worn off during handling.

Based on the philosophy that "it's often small details that make the big difference", we decorate our plastic solutions according to individual requirements and wishes. Our modern machine park allows fully automated treatment, ensuring that decoration is a mere fraction of the product price. Our equipment can provide:

- in-mould labelling (IML)
- in-line laser engraving
- in-line tampon printing
- hot stamping
- RFID tags

## The branding box

IML opens completely new possibilities for using plastic items to promote and brand your business. Moulded labels are predicted a bright future as a marketing tool. IML has become ever more popular in recent years – not least for returnable packaging, crates and boxes, cabinets and front panels. Perhaps you immediately think of the returnable beer crates used by major breweries, but there are many others who now utilise the possibilities



offered by attractively decorated crates and boxes. IML is also used in many other situations where our customers wish to send a message via their plastic parts and items.

## From packaging to marketing tool

Characterised by high graphic quality, IML not only improves the appearance of packaging, it also gives it value in terms of marketing. Our state-of-the-art robotic equipment is capable of providing items with in-mould labels containing company name, logo or other colourful decoration. The method ensures that the decoration is protected against outside influences like impact, wear or deliberate efforts to remove the marking.

IML is therefore not simply an alternative to expensive surface treatments, it is also an effective marketing tool capable of enhancing your company's exposure. Allowing us to add the final details is therefore well worth while.



Good logistics are imperative for the delivery of Schulstad bread to customers. Among other things, this is ensured by the use of plastic crates specially designed for transport. Besides this, though, the crates are ideal for providing an attractive display within the shop.

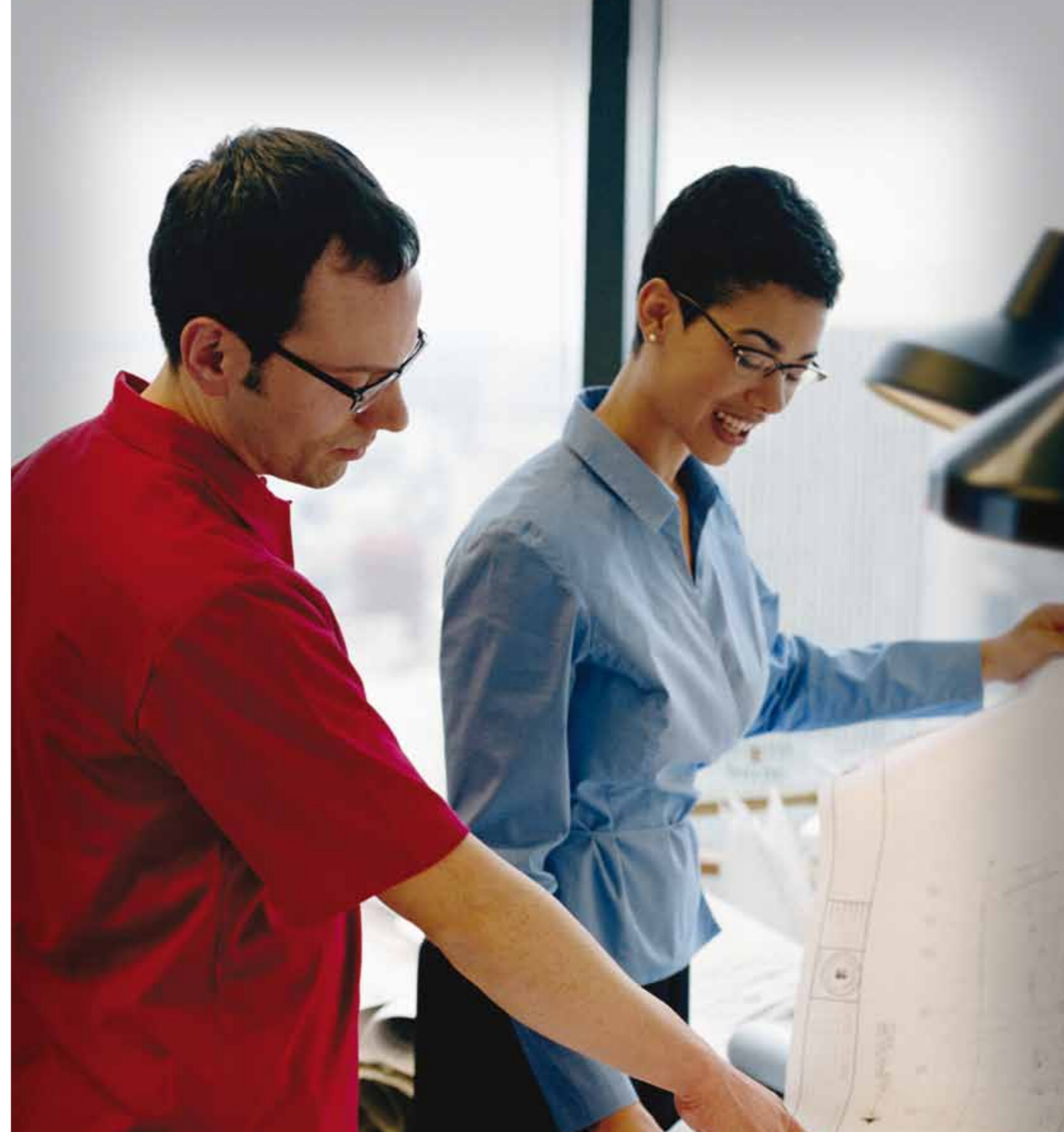
# From idea to action



At Ikadan Plast, we have the skills and competences to assist throughout the development process – all the way from the original idea to the delivery of finished products. No good idea has ever failed to benefit from sound groundwork. That is why we like to become involved as early as possible. We have the necessary skills to grow your idea in all stages of development: from design and engineering to material choice, moulding, quality control, decoration, assembly, packaging and distribution.

Perhaps you would like our staff to become involved in the idea stage and want us to give the idea shape and size. Throughout our involvement, we keep an eye on the financial constraints and are well aware that visions occasionally clash with reality.

Perhaps you would like external designers, product developers, engineers or raw material suppliers to help you realise your idea. Simply because you believe this is the best way to get things done.



**Idea**  
It's well worth getting us involved as early as the idea stage. You can achieve lower production costs if we have taken factors such as handling, stacking and packaging into account early in the process.

**Design**  
Form, function and detail are solved in-house or in close cooperation with select industrial designers.

**Engineering**  
Our experienced engineers transform ideas into realistic solutions. This stage is often supported by mould flow analysis and FEM strength and stiffness calculations.

**Material choice**  
Our many years' experience and partnership with raw material suppliers give us access to the latest knowledge on materials and possibilities.

**Moulds**  
We are pleased to assist in the design of moulds and work closely with leading mould manufacturers in Denmark and other countries.

**Production**  
Our fully automated up-to-date machine park features CNC robots and computerised monitoring systems, ensuring superior quality and low production costs.

**Quality**  
Our staff receive continual training in quality assurance in all stages of development. Furthermore, our IT-based quality management system ensures the recording of any non-conformities.

**Decoration**  
Our sophisticated machinery is capable of decorating plastic items according to individual requirements and wishes, e.g. using in-mould labelling.

**Logistics**  
We place considerable importance on supplying customers' orders on time and ensuring that the agreed delivery conditions are met.