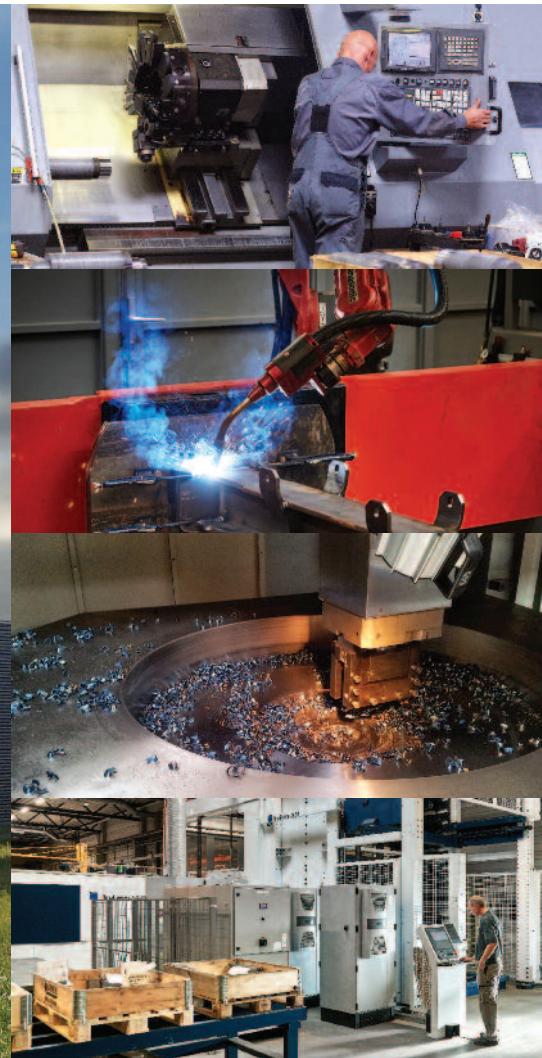
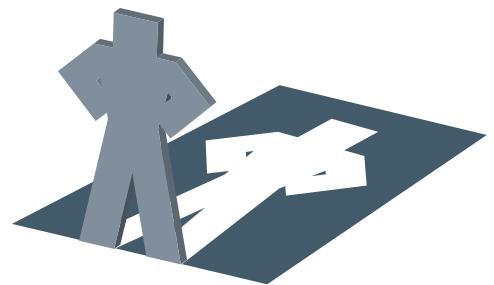


PRODAN

- strategiske og komplette løsninger



SPÅNTAGNING • MACHINING

SVEJSNING • WELDING

SVÆRGODS • HEAVY GOODS

PLADEBEARBEJDNING • METAL SHEET PROCESSING

Ledelsen går forrest

I 1993 startede Prodan op som en traditionel og ejerledet maskinfabrik. I dag er vi blandt de mest moderne og konkurrencedygtige i branchen. Som det var tilfældet for mere end 25 år siden, går ledelsen stadig forrest, også på vejen ind i industriens næste tidsalder med målet om at forblive "Best in class".

Rødder i det entreprenante fundament

Kvalitetssikring og ny teknologi spiller en stadig større rolle inden for fremstillingsindustrien. Stigende krav til dokumentation, effektivisering, procesoptimering og automatisering er vigtigere end nogensinde for at yde den skarpeste service til vores kunder. Men den helt afgørende faktor i vores berettigelse er innovative partnerskaber og dedikerede medarbejdere, hvilket vi giver næring igennem tæt dialog og reel medindflydelse.

Prodans værdier har dybe rødder i virksomhedens entreprenante fundament, og vi arbejder hårdt på hver eneste dag at udvikle og optimere såvel maskinfabrikkens som kundernes forretningsgrundlag.

Management leading the way

Back in 1993 Prodan started up as a traditional and owner-managed machine factory. Today, we are among the most modern and competitive in the industry. As was the case 25 years ago, the management is still leading the way into the industry's next era with the goal of remaining "Best in Class".

Roots in the entrepreneurial foundation

Quality assurance and new technologies are playing an increasingly important role in the manufacturing industry. Demands with regard to documentation, streamlining, process optimisation and automation make it more important than ever to provide our customers with optimal service. But the crucial factor that makes us stand out, is our ability to create innovative partnerships, and our dedicated employees, whom we nurture through maintaining close dialogues at all times and involving them in the decision-making process.

Prodan's core values are deeply embedded in the company's entrepreneurial foundation. Every day we work very hard to develop and optimise not only the machine plant, but also the base upon which our customers grow their business.





Salgschef Heinrich Jacobsen • Fabrikschef Claus Pedersen • Adm. direktør Per Hastrup • Økonomichef Anette Rasmussen •
Kvalitetschef Jacob Kjellberg • Indkøbschef Kirsten Jacobsen

Sales Manager Heinrich Jacobsen • Factory Manager Claus Pedersen • CEO Per Hastrup • Finance Manager Anette Rasmussen •
Quality Manager Jacob Kjellberg • Purchasing Manager Kirsten Jacobsen

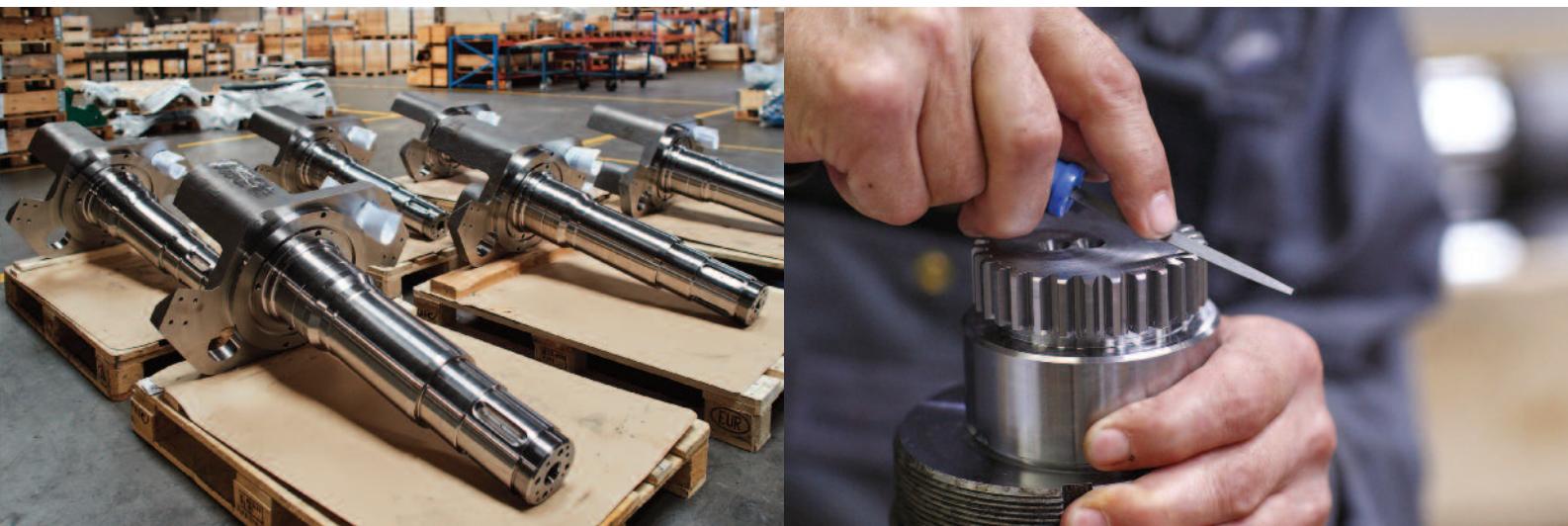
En af landets bedste leverandører i produkt-kit på op til flere tusinde dele

At samle flere leverandører og processer under ét tag, så kunden med komplekse produktionsopgaver kan spare tid og penge, indkapsler Prodans DNA. Historisk opstod one stop shop-tanken tilbage i 1993. Allerede dengang så vi, at dette var den bedste business case.

I de gode gamle dage stod underleverandøren anonymt i skyggen af kunden. I dag er rollen at være strategisk samarbejdspartner, der matcher markedets konstant stigende krav og dokumenterer disse.

I Prodan har vi formået at være fremsynet med en stålsat tro på konceptet. Det, der for mere end 20 år siden blev spottet som Prodans niche, er under konstant udvikling, båret på vej af massive investeringer i maskiner og mandskab samt et stramt blik på en bundsolid økonomi.

Fremtidens Prodan har fokus på det professionelle partnerskab og den gode business case. Det placerer os blandt Danmarks bedste leverandører af produkt-kit, bestående af op til flere tusinde dele, som har været igennem forskellige bearbejdninger og processer.



One of the country's best suppliers of product kits with up to several thousand parts

Gathering several suppliers and processes under one roof, so that a customer with complex production tasks can save time and money, is the very essence of Prodan's DNA. Historically, the concept of a "one-stop shop" was developed back in 1993. Even back then, we could see that this was the optimal business case. In the good old days, the contractor/subcontractor remained anonymous, always in the shadow of the customer. Today, the role is to act as a strategic partner, meeting and documenting the market's ever-increasing demands.

At Prodan, we have managed to be foresight while remaining steadfastly true to the original concept. That is what we identified as Prodan's niche, more than 20 years ago, and it is constantly evolving, supported by massive investments in machinery and manpower, keeping a keen eye on our solid financial base. The Prodan of the future focuses on professional partnerships and sound business cases. This places us among Denmark's leading suppliers of product kits, consisting of up to several thousand parts that have been through various machining operations and processes.





Alt for mange i dansk erhvervsliv tjener ikke penge. Det vil vi gøre op med

Er det nødvendigt at afrunde emnet?

Kan afstanden fra bund til top afkortes?

Er det muligt at ændre materialet og krav til tolerancer?

Begavede spørgsmål fintuner såvel den faglige tilgang som den kommercielle. Vi leder efter den blinde vinkel i tegninger og kravspecifikationer for at gøre det enkelte projekt til en god forretning. Jo tidligere vi er med i projektet, jo bedre kan vi byde ind med forslag til optimering såvel i konstruktion som i kroner og ører.

Er du villig til at investere i et tættere og længerevarende samarbejde omkring udvikling af dine produkter, går vi også fuldt og helt ind i det. Det betyder, at vi er med, når der er brug for at investere i nye maskiner, teknologi, arbejdskraft eller kompetencer.

Prodan har størrelsen, rammerne, menneskerne og maskinerne og ikke mindst den finansielle soliditet, der skal til for at indgå i ambitiøse partnerskaber.

Få mere lavet samme sted

Når processer forenkles, når flere ting klares ét sted, kan du spare omkostninger og medarbejderressourcer. Flere og flere af vores kunder vælger at fokusere på kerneforretningen og outsourcer pladebearbejdning, spåntagning, svejsning, overfladebehandling m.m. til os – det giver kontante besparelser i tid og penge i administration, indkøb, produktion, på lageret og i kvalitetsafdelingen.

Det er en win-win

HMF har det klare mål at være blandt de fire førende leverandører af kraner på verdensmarkedet. De har 62 kranmodeller i produktsortimentet af lastbilmonterede kraner. Indtil 2006 klarede de selv alle processer i huset, men verden forandrer sig.

Prodan leverer i dag 6000 varenumre til HMF Group.

"Prodan styrer det hele via et lager af enkeltkomponenter. Det er flere tusinder forskellige komponenter, mikset i forskellige kit-sæt, leveret inden for få dage med en leveringsperformance på omkring 98 procent. Prodan udfordrer os på konstruktion, udformning etc.

Med deres kendskab til produktionsprocesser og priser bidrager de til udvikling af produkter og gør dem måske endda billigere. Det er en win-win." Koncerndirektør Brian Stage, HMF Group.

Too many do not make money. We want to do something about that

Is it necessary to round off the item?

Can the distance from the bottom to the top be shortened?

Is it possible to change the material and tolerance specifications?

Intelligent questions that fine-tune the professional as well as the commercial approach. We are looking for the blind spot in drawings and requirement specifications so that we can turn each individual project into a profitable business. The sooner we get involved in the project, the easier it will be for us to offer solutions that will optimise design and cut costs.

If you are willing to invest in a closer and long-term, joint cooperation concerning the development of your products, we will also do everything we can to make it a success. This means that we are willing to invest in new machinery, technology, labour and/or skills and expertise when needed.

Prodan has the size, the frameworks, the people, the machines and, not least, the sound financial base that is a pre-requisite for entering into ambitious partnerships.

Simplicity with one supplier

Processes are simplified, and you can cut costs and save on manpower resources. More and more of our customers choose to focus on their core business and outsource their sheet metal processing, machining, welding, surface treatment, etc. to us – as it provides direct savings in terms of time and money, in administration, purchasing, production, in the warehouse and in the quality assurance department.

It's a win-win situation

HMF's goal is to be among the four leading crane suppliers on the global market. They have 62 crane models in their product range of truck-mounted cranes. Until 2006, they managed all the processes in-house, but the world has changed.

Today, Prodan delivers 6,000 product numbers to the HMF Group.

"Prodan manages everything via a stock of individual components, in which there are several thousand different components, mixed in different kit sets, delivered within a few days with a delivery performance of approx. 98 percent. Prodan challenges us in terms of construction, design etc. With their knowledge of production processes and their prices, they not only contribute to developing the products, they may even make them less expensive. It's a win-win situation."

Group Chief Executive Officer, Brian Stage, HMF Group.



Spåntagning i alle former for metal og plast

- CNC-drejning
- CNC-fræsning
- Slibning

I dreje- og fræseafdelingen finder du:

Horisontale og vertikale fræsere samt et topmoderne 5-akset bearbejdningscenter med den nyeste teknologi på området, der gør det muligt at udføre højt præcisionsarbejde på komplekse emner fra flere sider med indbyrdes forhold til hinanden.

FMS-anlæg med CNC-center og LPS-system med 16 paletter og plads til 256 værktøjer, som gør det muligt at have korte opstillingstider ved gentagelsesordrer.

CNC-styrede drejebænke med roterende værktøjer og Y-akse-bearbejdning eller multiaksebearbejdning, som gør, at emner kan laves færdige i én maskine.

Robotten i drejeafdelingen foretager selv stik-prøvekontrol af emnerne og lægger dem i pallen. Roboterne egnér sig godt til serieproduktion helt ned til 50 styk.

Lad os sammen kigge på muligheden for at optimere dit produkt!

- Kan der vælges en anden produktionsmetode?
- Er det muligt at ændre konstruktionen?
- Ligger der en gevinst i at skrue på automatiseringsgraden?

Machining in all forms of metal and plastic

- CNC turning
- CNC milling
- Grinding

In the turning and milling department you will find:

Horizontal and vertical cutters, as well as a state-of-the-art 5-axis machining centre with the latest technology in the field – all of which makes it possible to perform high precision work on complex items from several sides spaced relative to one another.

FMS system with CNC centre and LPS system with rotating tools and Y-axis machining or multi-axis machining, which means that items can be finished in one machine.

CNC-controlled lathes with rotating tools and Y-axis machining or multi-axis machining, which means that items can be finished in one machine.

Robots in the turning department carry out random checks of the items themselves and place them on the pallet. The robots are particularly suitable for series production down to 50 items.

Let us examine the opportunities to optimise your product together!

- Is another production method more suitable?
- Is it possible to change the design?
- Is there anything to be gained by increasing the degree of automation?





Svejsning - alle typer

Håndlag, grundighed og nøjagtighed er tre ufravigelige krav i svejseafdelingen, der bliver bakket op af moderne udstyr, som gør det muligt at stå inde for alle typer svejsninger.
Medarbejderne, alle med høje faglige kompetencer, svejser i de fleste typer metaller uanset dimension, størrelse og form.

- **Robotsvejsning**
- **Manuel svejsning**
- **Certifikatsvejsning**
- **Ekstern svejsekontrol**

Ved emner i stort stykantal med krav om stor ensartethed tilbyder vi robotsvejsning.



Welding - all types

Manual dexterity, thoroughness and accuracy are three essential requirements in the welding department, which is supported by up-to-date modern equipment that makes it possible to handle all types of welding.

The employees, all of whom are highly skilled in their profession, weld in most types of metals irrespective of dimensions, size or shape.

- **Robotic welding**
- **Manual welding**
- **Certified welding**
- **External welding control**

For items produced in large numbers that require a high degree of uniformity, we offer robotic welding.

Sværgodsbearbejdning op til 50 tons

Prodan har maskinerne, kompetencerne og pladsen til de fleste sværgodsemner. Boremøller, bore-/fræseværk og moderne teknologi til at producere emner bearbejdet med stor præcision og små tolerancer.

- **Bore-/fræseværket klarer emner på op til 50 tons**
- **Boremøller bearbejder emner på op til 20 tons og en diameter op til 3400 mm samt emner på magnetplan, som sikrer høj præcision**
- **Effektiv håndtering af både små og store serier**

Komplekse emner formes på en bund af faglig stolthed og is i maven.

"Det kræver ofte kreative idéer at indfri kundens krav til finish og geometriske tolerancer. Man skal kunne forudse risici ved enhver beslutning og fordybe sig i det enkelte emnes mange detaljer og udfordringer. Det kræver faglig viden og indgående kendskab til de kræfter, der er på spil omkring såvel som centrifugal kraft." Industriekniker Michael Klokker.



Heavy goods processing up to 50 tonnes

Prodan has the machines, the expertise and the space to handle most heavy goods items. Drilling mills, drilling/milling machines and modern technology for producing items machined with high precision and small tolerances.

- **The drilling/milling machine can handle items up to 50 tonnes**
- **Drill mills process items of up to 20 tonnes and a diameter up to 3,400 mm as well as items on magnetic plate which ensure a high level of precision**
- **Efficient handling of both small and large series**

Complex items grow from a solid foundation of professional pride, self-confidence and patience, even when working under pressure.

"It often requires creative ideas to satisfy the customer's requirements for finishes and geometric tolerances. You have to be able to anticipate the risks involved in each and every decision you make, and immerse yourself in the many details and challenges each item brings with it. This requires professional expertise and in-depth knowledge of the forces that are involved and what is at stake, in terms of both the weight and centrifugal force." Industrial Engineer Michael Klokker.





Pladebearbejdning af alle slags metalplader

Pladerne bearbejdes i de fleste dimensioner og ned til meget små tolerancer:

- **Fiberlaserskæring**
- **Laserskæring**
- **Flammeskæring**
- **Plasmaskæring**
- **Kantpresning**

Laser: Effektiv og hurtig omstilling, høj præcision, super finish.
Vi kan fremstille skærefiler og skære i alle metaller inkl. kobber og messing.

Flamme/plasma:

- **Skærer i plader op til 3 x 13 m**
- **Flammeskærer – plader op til 150 mm i tykkelsen**
- **Plasmaskærer – jernplader op til 50 mm i tykkelsen, rustfrie- og aluminiumsplader op til 40 mm i tykkelsen**

Costa-afgrater/slibemaskine laver en pæn finish på emner i aluminium, rustfrit stål og jern.

CNC-styret Darley 500-kantpresser tager emner op til 4,3 m og arbejder med et tryk på op til 500 tons. Kantpresseren er udstyret med laseropmåling, der gør det muligt at arbejde med krav om små tolerancer.

Sheet metal processing of all types of metal sheets

Sheets of most dimensions can be machined, down to very small tolerances:

- **Fibre laser cutting**
- **Laser cutting**
- **Flame cutting**
- **Plasma cutting**
- **Bending**

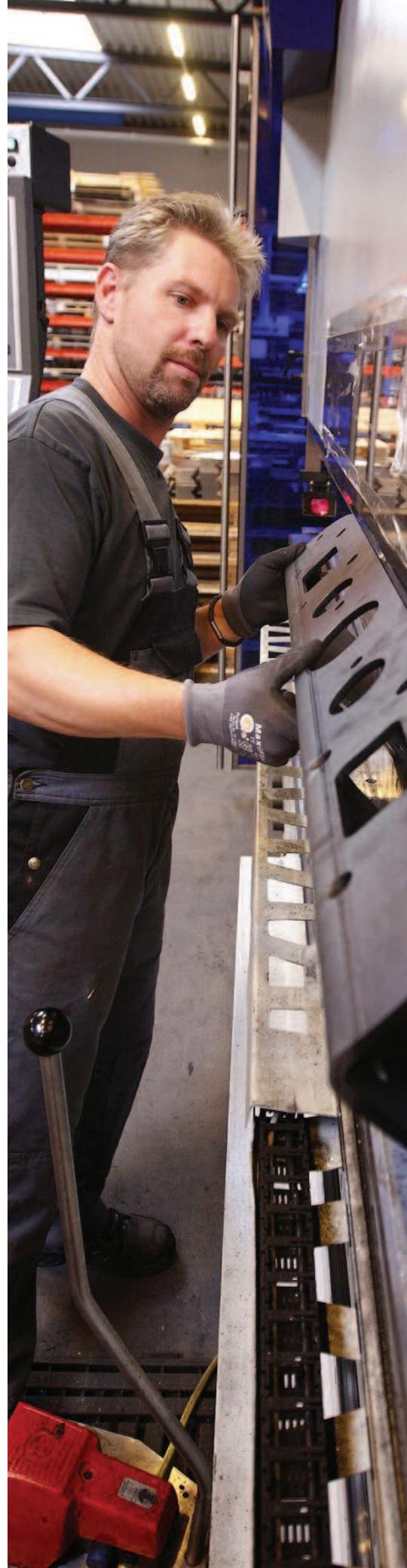
Laser: Efficient and fast conversion, high precision, super finish. We create cutting files and cut in all metals including copper and brass.

Flame/plasma:

- **Cuts in sheets up to 3 x 13 metres**
- **Flame cutter – sheets up to 150 mm in thickness**
- **Plasma cutter – iron sheets up to 50 mm in thickness, stainless steel and aluminium sheets up to 40 mm in thickness**

Costa deburring/grinding machine produces a nice finish on items made from aluminium, stainless steel and iron.

CNC controlled Darley 500 bending machine can process items up to 4.3 metres and work with a pressure of up to 500 tonnes. The bending machine is equipped with a laser measuring system, which makes it possible to work with specifications that involve small tolerances.



Stolte fagfolk der flytter noget

Flere tusinde emner, ofte af høj kompleksitet i metal eller plast, bearbejdes på en enkelt arbejd dag – det er emner, der får Danmark til at køre rundt.

Teams binder huset sammen

Medarbejderne indgår i teams, som samarbejder og organiserer opgaverne på tværs via teamledere. Kombinationen af høj faglighed og evnen til at strukturere egen tid og arbejde giver stor medbestemmelse og mulighed for indflydelse, både fagligt og socialt. Den særlige ånd, der hersker på Prodan, binder hele huset sammen i et engageret mål om, at ville det samme. I produktionen beskæftiger Prodan primært industriteknikere og smede i 3-holdsskift med afsæt i faglig stolthed og et særligt fokus på:

- **Fleksible og korte leveringstider**
- **Kvalitetskontrol**
- **Kalibrerede værktøjer**
- **Miljø**



Proud professionals get the job done

Several thousand items in plastic and steel, which are often highly complex to manufacture, are processed in a single working day – these are the items that keep Denmark running.

Teams bring us together, no matter where we work in the company

The employees work in collaborating teams that organise their work via team leaders. A high level of professionalism, combined with the ability to structure their own time and work, allows each employee to participate in decisions and make their voice heard, both professionally and socially. The special company spirit at Prodan binds our entire team together, working towards a common goal which we all want to achieve. Prodan primarily employs industrial engineers and blacksmiths in the production, who work in three shifts, and who are proud of their professional expertise and focus strongly on:

- **Flexible and quick delivery times**
- **Quality control**
- **Calibrated tools**
- **The environment**

Prodan er en topmoderne maskinfabrik på 15.000 m² med metal- og plastbearbejdning af emner, der vejer fra få gram til flere tons. Vi leverer bredt til industrien, og Prodan har ofte en finger med i spillet, når det handler om: cirkulationspumper, vindmøller, helikoptere, affaldssorteringsmaskiner, valser og stempler til produktion af chokoladeprodukter, neddelere til skrot, pressere, møgspredere, sæbedispensere, pusleborde, altaner og meget mere.

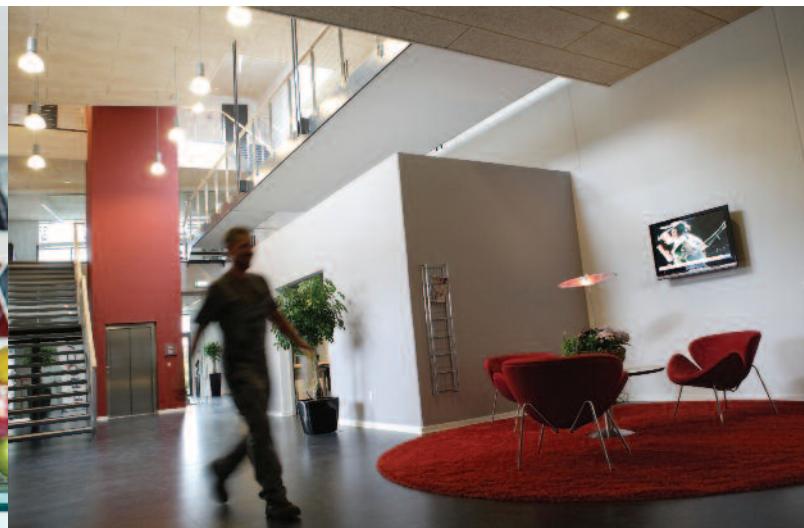
Certificeringer: ISO 9001, ISO 14001, ISO 3834, EN 1090



Prodan is a state-of-the-art machine factory of 15.000 m² which processes metal and plastic items that can weigh anything from a few grams to several tonnes. We deliver to a wide range of customers within the industrial sector, and Prodan is also a regular player in the game when it comes to: circulation pumps, wind turbines, helicopters, waste sorting machines, rollers and pistons for the production of chocolate products, shredders for scrap, presses/balers, muck spreaders, soap dispensers, changing tables, balconies and much more.

Certifications: ISO 9001, ISO 14001, ISO 3834, EN 1090





Et godt sted at arbejde

Mange medarbejdere med lang anciennitet i Prodan er kernen i vores gode omdømme som en attraktiv arbejdsplass. Maskinfabrikens aktive personaleforening, med op til 10 årlige arrangementer fra koncerter til hyggelige fisketure, har også en del af æren for det gode arbejdsmiljø.

Kantinen udgør en central rolle i den fælles pause, hvor vi samles om sund, varieret mad. Hver søndag tikkert seneste nyt ind i medarbejdernes mail. Alle dag-, aften- og nathold får de samme informationer og dermed et fælles billede af virksomhedens aktuelle situation. Sammenhængskraften vokser ud af alle de ting, vi gør sammen og for hinanden.

Vi investerer i den nyeste teknologi og i næste generation af dygtige medarbejdere. Flere robotter øger vores konkurrenceevne og behovet for flere faglig stærke medarbejdere. Derfor er vores mål, at mindst 10 procent af vores medarbejdere skal være lærlinge.

"En god arbejdssdag er, når vi har en masse at lave, en dag hvor jeg har mange opstillinger, og hvor man får tingene løst på en måde, så man kan gå hjem med følelsen af, at man har gjort en forskel."

Industritekniker Keld Petersen

A great place to work

Our excellent reputation as an attractive place to work is reinforced by the large number of employees who have many years of seniority at Prodan. The machine factory's active staff club, that arranges up to 10 events a year, from concerts to cosy fishing trips, certainly also deserves some of the credit for the positive working environment we enjoy.

The canteen plays a central role in the common break, where we relax together over a meal, selected from our wide choice of healthy dishes. Every Sunday, the latest news ticks into the employees' e-mail Inboxes. Whether they are on the day, evening or night shift, receives the same information and, thus, a common picture of the company's current situation. This unifying force is our strength and is reinforced by everything we do together and for each other.

We invest in the latest technology and in the next generation of skilled employees. More robots increase our ability to be competitive, but also mean that we need even more employees with strong technical and professional skills. Therefore, it is our goal that 10 percent of our employees should be apprentices.

"A good working day is when we have plenty to do, a day that involves setting up a lot of processes, and solving the challenges that come along satisfactorily so that I can go home at the end of the day and feel that I have made a difference." Industrial Engineer Keld Petersen

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