Sheet metal machinery. For the construction industry.





The art of origami



Sheet metal is a fantastic material. It is sustainable, malleable and long lasting. It can be used for strong but lightweight constructions and can in principle be

recycled any number of times without losing any of its positive qualities.

Thanks to modern technology we can now fold metal into almost any shape or form. With a sheet of metal, some knowledge of geometry, a feeling for the material, the knowhow and the right machinery, what used to be an extremely costly and laborious job, can today be both fast and cost effective.

CIDAN Machinery has for many decades been the driving force behind this development through designing, manufacturing and supplying reliable and innovative sheet metal machinery that meets customers' needs and expectations. Today we offer powerful brands such as CIDAN and Forstner for both the construction and the manufacturing industries in a growing, global market. We listen closely to what our customers want to achieve, we increase their productivity and we create better working environments. So we welcome you to a partner standing for both quality and innovation. We see no limits to what can be achieved with origami.





Efficient sheet metal folding begins and ends with nuEvolution from nuIT - the smart planning tool that revolutionizes your entire manufacturing process. Combine nuEvolution with the impressive power and adaptability of our machines for perfect

overview, excellent results, shorter lead times and greater profitability. All you need is a graphic tablet or laptop and your own finger.

Construction.

nuEvolution is extremely user friendly and can be used by anyone, anywhere. The profiles you want to use can be drawn or dimensions entered quickly and easily on the building site, the factory floor or wherever you happen to be. Enter the measurements and adjust the angles to get accurate 3D-profiles. nuEvolution allows you to get exact values and makes your work child's play.

Choose colour and material from the pre-defined materials and enter your lengths and quantities. The program makes sure you always deliver a complete specification, with no missing measurements or other data.

Add all the other details you need from the library. Enter your order number and when you want the material delivered. Your order is now ready to be sent directly to production.

nuEvolution gathers together all the incoming orders digitally in one and the same place. It's easy to print complete PDF files for your dimensioned profile with all the details included. The program keeps track of quantities of metal or other materials used.

Get production going!

With nuProduction all the incoming orders are combined, so you can plan your production according to available capacity and requested delivery times. The order is priced according to the parameters you have defined. You can see how much material you need as a base for ordering from your suppliers. You can plan daily schedules and make any changes when necessary. nuProduction will also configure the optimal use of your material. And with nuSLIT software you can program your cut-to-length machine with exact values for both panels and slitting.

Barcode labels can be placed directly on your cut pieces to transfer the data to the metal folder and ensure that all the pieces are sorted in the correct order. If you use the ProLink W



control system with your metal folder all the data from nuEvolution will be automatically transferred and no further programming is necessary. nuProduction gives you total control over everything from calculation to material quantities used and resource planning to barcode marking, production, delivery notes and invoicing.

Do you have external customers?

nuOrder is the building block that gives you a webshop. Using nuOrder, your customers can design and order their own profiles and get pricing. Orders can be handled like any other order, with automated delivery and invoicing. You can forget about unclear instructions, hard to interpret sketches and other uncertainties. Instructions are your customer's responsibility, yours is production.



Drawing or loading the profiles you want is fast and easy whether you are on the building site, the factory floor or anywhere else.



nulT, is compatible with the ProLink W control system and Forstner software for slitting and your production can be fast, smooth and easy.



Material handling, marking, analysis, documentation and logistics - nulT is the solution that does it all.



Rationalize your coil processing and increase your productivity. Choose and combine modules from our extensive product program and build your optimized production line for your specific material, series, premises and processing requirements.

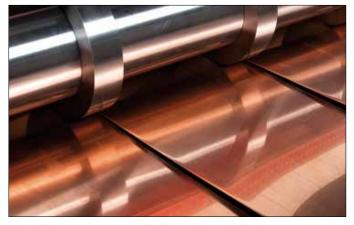
In our range you will find smart solutions for everything from decoiling to straightening, slitting and cut-to-length systems, guillotine shears and control systems that automate

and speed up your processing. With the right combination of machines and systems you can avoid manual operation, waste, scratches, marks from pauses in operating, rejects and your production will reach new heights.

In this brochure we present a small selection of the modules available that can put new life into your production and your profits.



With Forstner's wide range of products and smart solutions for coil processing, lifting and repetitive movements are a thing of the past. Besides making life easier for your co-workers - your most important resource - this machinery minimizes risk of damage to the metal, scratches and unnecessary rejects. Precision along with making maximum use of the metal, with minimum waste, will increase your profits.



Coil processing and cut to length machinery from Forstner and guilliotine shears from CIDAN cut through sheet metal like butter. Take your production to new levels with these all-in-one units. Benefit from these versatile new developments with lots of ground-breaking functions as standard.

This machinery offers extensive flexibility and is designed to maintain high levels of productivity day after day, year after year, with minimum service.



Build your production facility for the best ergonomics, efficiency and profitability.

- Sheet metal from coils saves money, reduces waste and frees up storage space.
- ✓ We have the right solution whether your sheet metal workshop is big or small.
- ✓ Create the space for rational coil processing and increase your productivity and your profits.
- ✓ Forstner have a wide range that can be combined to make an efficient production facility based on your requirements, where parameters such as power, distance, time and access to material are decisive for fast and cost-effective production.
- ✓ With our solutions you can easily process coils from 500 kilos up to 8 tonnes. Bigger coils mean fewer changeovers, less waste and a more efficient process.
- ✓ How many materials must be readily accessible? Frequent changeovers? With a coil selector you keep as many as eight different materials ready at the cut-to-length line for far quicker changeovers.
- ✓ With a well equipped cut-to-length line in your production facility you will no longer need to cut strips in guillotine shears.
- ✓ Do you sell sheets or do you want to recoil material in smaller coils? We have the right solution for you!



With software from nulT your coil processing can run more smoothly. With nuEvolution you get all the data to produce your finished parts, colour, material, cutting measurements, quantities and any cuttings.

With nuProduction all the instructions are transferred directly to your slit and cut-to-length machine.



The sharpest in the team.

Forstner EASY CUT/SLIT CUT is the ultimate machinery for sheet metal work in the small and mid-size construction and ventilation industries. Set the lengths and quantity with the user friendly control system. The sheet metal feeds smoothly into the machine and is cut with fantastic precision and burr-free edges. If you want customized pieces choose SLIT CUT or SLIT PRO with slitting unit.

Get higher quality and speed up production all in one go. Coils instead of blanks is a money and space efficient solution that frees up space, money and time as well as minimizing waste. The feeding table is designed to minimize the risk of damage to the metal and coating, especially for sensitive materials such as zinc, aluminium and copper.

The most important advantages:

- Small but extremely powerful.
- Smart, user-friendly control system.
- High in-feed speeds.
- Easy to use settings.

	EASY CUT	SLIT CUT*	SLIT PRO*
Max coil width	1250	1250	1250
Steel, max sheet thickness, mm	1	1	1
Stainless steel, max sheet thickness, mm	0.6	0.6	0.6
Aluminium, max sheet thickness, mm	1.2	1.2	1.5

*Capacity with 5 pairs of slitting knives.



Small in size but big in output.

The Forstner STRAIGHT range are highly efficient machines for cutting from coil. The machines have double feeding rollers making in-feed easier and changeovers faster. An easy-to-adjust straightening unit with six rollers gives you flat blanks for further production regardless of material type or thickness. Speeds are up to a full 25 meters per minute for highly efficient production. Equipped with a guillotine shear the machine is fast, requires minimal maintenance and gives you perfect cutting surfaces. The entire process is easily handled with the logical control system SPS-S1.

Take the step up to POWERSTRAIGHT PRO and you get both more power and automated adjustment of the straightening unit. Choose 1250 mm or 1500 mm width. POWERSTRAIGHT PRO makes your production amazingly simple, fast and precise.

- Stable construction.
- Compact design.
- Guillotine shear for optimal cutting surface and faster processing.
- Ideal for sensitive materials.
- Easy to use and multi-function control system.

	CUT	PRO	STRAIGHT
Max coil width	1250	1250	1500
Steel, max sheet thickness, mm	1	1.25	2
Stainless steel, max sheet thickness, mm	0.6	0.75	1.25
Aluminium, max sheet thickness, mm	1.2	1.5	2.5



Power and finesse in one.

Forstner COMPACT is the most versatile range you can imagine and that is why this machinery works just as well in the small workshop as in the larger unit with serial production. The size of the components determines what benefits you will gain.

The heart consists of a robust and reliable six rollers straightening unit and powerful slitting shafts where you can choose the number of slitting knives you want. Choose whether or not the sheet is to be slit and the control system takes care of the rest. Thanks to a built-in, clear measuring scale and easily accessible slitting knives you can set the slitting unit in no time. If you choose a straightening unit where the rolls pressure is set from the control system you will achieve a perfect result without any stop marks.

Step up to POWER COMPACT and you can straighten and slit up to 2 mm thickness with fantastic results. Choose between 1250 mm and 1500 mm width. Forstner COMPACT machines can be tailored exactly to your requirements.

The most important advantages:

- Robust construction.
- 6 rollers in the straightening unit with easy pressure setting.
- Slitting unit well designed for fast setting.
- Logical and user-friendly control panel.

	COMPACT CUT*	COMPACT PRO*	POWER COMPACT*
Max coil width	1250	1250	1250
Steel, max sheet thickness, mm	1	1	2
Stainless steel, max sheet thickness, mm	0.6	0.6	1.25
Aluminium, max sheet thickness, mm	1.2	1.5	2.5

*Capacity with 5 pairs of slitting knives.



Let state of the art technology do the job for you.

The Forstner nuSLIT range is a true dream for the modern sheet metal workshop and takes your production to new heights for both flexibility and productivity. With nuSLIT every function can be operated from the control panel: coil width, finished lengths, straightening pressure to avoid stop marks, the width settings and operation of the five pairs of slitting knives.

nuSLIT can be integrated in a programmed production flow. The control system is totally compatible with nuProduction, allowing you to plan and program your entire production from your office desk with no manual intervention. Combine with the number of decoilers you want and manual or powered coil selector. There isn't a better slitting and cut-to-length machine to be found!

- ✓ High productivity and repeatability.
- ✓ Unbeatable slitting precision.
- Control panel operates all functions.
- Control system can be integrated with nulT.

	nuSlit
Max coil width	1250
Steel, max sheet thickness, mm	1
Stainless steel, max sheet thickness, mm	0.6
Aluminium, max sheet thickness, mm	1.2



Biggest output - lowest noise.

The CIDAN RAPIDO is a quillotine shear with a robust construction and will cut all sheet thicknesses in the working interval without blade gap adjustment.

The machine is fully equipped from the standard model, and different back gauge lengths and sheet handling systems are easily added for smooth handling of your material.

Working with a RAPIDO is a pure joy. The table with scored measuring lines at 10 mm spacing and squaring arm on both sides makes it easy to move sheets, and you will always get accurate angles. With table extension, you have excellent support for sheets of more than 1.5 meters width. The elegant design of the hold-down beam means you can make maximum use of the sheets and the LED lighting above the cutting line makes it easy to cut exactly as scored.

Gauge dimensions, quantity and all the machine's operations are amazingly easy to set from the panel in the CutLink control. No unnecessary commands, a minimum of keystrokes and the guillotine will do precisely what you want. The back gauge is designed to give you exact measurements and smooth feeding. The motor is placed directly on the stop arm for low noise output and to leave a free area on the upper side of the machine.

RAPIDO maintains an impressive speed at 37 strokes per minute. The electric gear motor is very powerful and consumes energy only on each stroke. This shear's built-in ergonomics and low noise output provide a good and comfortable working environment. In addition, the machine is designed so that periodic maintenance and all service points are reached without hassle.

Working length, mm Steel, max sheet thickness, mm Stainless steel, max sheet thickness, mm Aluminium, max sheet thickness, mm

RAPIDO 13	RAPIDO 26	RAPIDO 32
1350	2600	3200
3.5	2.5	2.5
2	1.6	1.6
5	3.7	3.7

The most important advantages:

- ✓ Powerful! Large working interval without blade gap adjustment.
- ✓ Fast! 37 strokes per minute.
- Easy to use.
- ✓ Fully equipped as standard.
- Slender holding beam leads to minimum waste.

Option examples:

- ✓ Telescopic table extension.
- Pneumatic hold down beam.
- Squaring arms of different lengths with or without T-groove and tilting stops.



Choose a machine with double the muscle.

The CIDAN EVO DUO guillotine shear is a muscle machine with double motors that spread power evenly along the entire cut. With EVO DUO you will easily cut sheets of thicknesses up to 4 mm (EVO DUO 32) or 2.5 mm (EVO DUO 41) with perfect results every time. This machine has a more powerful cutting beam than its predecessor and blade gap adjustment is clear and easy to set. The distance between the rear of the hold down beam and the cutting line is only 34 mm for minimum waste. Pneumatic hold down beam is standard and gives excellent results even with sensitive materials.

The motorised back gauge (up to 1000 mm) is quickly positioned from the front of the machine with user-friendly control system CutLink. Configure your EVO DUO table exactly according to your production demands, and move or add components if your requirements change.

With EVO DUO you have an extremely strong machine with low noise output that consumes energy only during the actual cutting. Low running costs, low noise output and low environmental impact are all included as standard. EVO DUO is not only easy to use but brings you optimal precision and work satisfaction.

Working length, mm
Steel, max sheet thickness, mm
Stainless steel, max sheet thickness, mm
Aluminium, max sheet thickness, mm

	EVO DUO 32	EVO DUO 41
	3200	4100
	4	2.5
	2.25	1.6
_	5.5	3.7
_		

The most important advantages:

- ✓ Double synchronised motors that distribute power evenly throughout the machine.
- Wide working area 0.5-4 mm (EVO DUO 32).
- Clear and easy blade gap adjustment.
- Flexible table that can be equipped exactly to your needs.
- CutLink the simple, easy and precise control system.

Option examples:

- Support arms with or without tilting stops.
- Adjustable squaring arm with easy-to-read graduated scale.
- ✓ Table pans at the correct length make it easier to handle sensitive or heavy material.

Make light work of heavy sheet metal.

CIDAN Machinery offers smart sheet metal handling systems that will make your workload far lighter. Your machine can be adapted so that the cut-off sheets are delivered either to the front or the back of the machine. Scored measuring lines in the table as well as squaring arms on both sides are standard on RAPIDO. For EVO DUO you choose what suits your production best. Table pans give support and flexibility and

come with or without ball casters depending on the material and weights you work with. EVO DUO can be fitted to advantage with squaring arms and support arms for easier handling of heavy material. You choose both the number and the lengths. Graduated scales and T-grooves with tilting stops are other smart accessories that make light work of sheet metal.



With CutLink set to Automatic mode, you can program 10 lines with different dimensions and quantities to be processed in sequence. You can save the settings in the system memory.



With CutLink set to Manual mode you set dimensions and the quantities. From the menu "Quick setup" you control sheet support, hold down beam and cutting sequence.



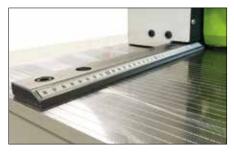
With a wagon as an alternative to fixed return plate you can easily move cut material to another workstation. Lift the wagon with a forklift truck (it can carry 400kg cut-off sheets) to avoid back injury.



The position of the hold down beam only 32 mm from the cutting line means minimal waste.



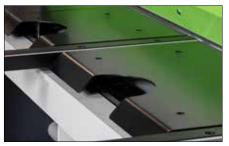
With the hold down beam raised there is enough distance between the ball screws to pull a 1250 mm sheet through (not RAPIDO 13).



RAPIDO has scored measuring lines at 10 mm spacing and fixed squaring arms on both sides.



Equip your EVO DUO with a long squaring arm (up to three meters), and add one or more T-grooves and tilting stops.



EVO DUO is provided with support arms and table pans according to requirements, preferably with ball bearings for easier handling of sensitive or heavy material.



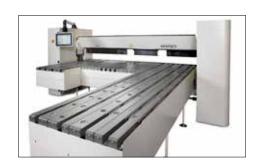
EVO DUO has a 360° adjustable squaring arm with clear graduated scale for angled cutting (option).



Fast, accurate and tireless. CIDAN Machinery is proud to be a world-wide industry leading source for sheet metal folders and metal bending machines for the construction and manufacturing industries. CIDAN Machinery offers reliable, functional and innovative machines with built-in flexibility that will speed up your processes, simplify your day to day tasks and increase your profits.

Our machines have short start-up times and run as good as silently. They are operated by a single operator who can easily produce anything from the simplest to the most advanced profiles with only one set of tools. It's all the small well-thoughtout details that make CIDAN the obvious choice. Make the most of CIDAN state-of-the-art machinery with ground-breaking features as standard.

With the right touch your production stays well tuned.



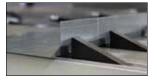
The CIDAN back gauges have unrivalled precision. The gauging rails are placed close together giving you faster and easier control over your work - EGS or AGS will give you maximum flexibility.

EGS – the most important advantages:

- Fast and effective with servomotor and cog belt drives.
- ✓ 2 mm–1020 mm gauging fingers.
- 10, 12 or 14 gauging rails for different lengths.



Spring steel gauging fingers for sensitive sheet handling and fine measurements



With several rows of gauging finger positions and "stops at every 500 mm, every measurement can be reached within 2 seconds, speeding up the process.



Ball transfers prevent damage to materials and facilitates rotation of sheets

AGS - the most important advantages:

- Tailored to suit your needs.
- Fast servomotor and linear guides for maximum speed and precision.
- Optional extras easily added to standard unit.
- ✓ 12, 14 or 16 gauging rails.
- ✓ Height adjustable from machine model FORMA and larger.



CIDAN F is fast, powerful, easy to use and reliable. The robust design has welded sides, extra strong lower beam and clamping beam. The folding beam, dual powered, is exceptionally rigid and stable but at the same time so narrow that the operator needn't step back when folding.

The machine is generously designed with opening height of 150 mm and the large recesses in the clamping beam, 49 mm high and 57 mm wide, allow greater flexibility. There is also ample height above the straight rail to leave space for completed details.

CIDAN F is the master of fine detail with spring steel gauging fingers and the narrowest folding rail on the market. Get precision, finish and flexibility with easy change folding rail, even for very fine gauge measurements.

Choose a CIDAN F and you choose work satisfaction and productivity in optimal combination.

The most important advantages:

- ✓ Fast, user friendly and reliable.
- ✓ Adjustable crowning for perfect folding results for any thickness and width.
- ✓ Two folding rails as standard, with 7/10 mm and 15 mm widths.
- ✓ 10–14 gauging fingers depending on model and length required.
- ✓ Choose between two control systems: EasyLink or ProLink W.

Working length, mm Steel, max sheet thickness, mm* Stainless steel, max sheet thickness, mm** Aluminium, max sheet thickness, mm***

F26	F32	F41
2600	3200	4100
1.75	1.50	1.25
1.1	0.9	0.8
2.6	2.2	2.0

Tensile strenath* *400 N/mm² ***600 N/mm² ***200 N/mm²



The hardest grip.

CIDAN FS/FX is the most powerful metal folder in its class – strong, exact and almost impossible to wear out. With welded sides, clamping beam with eccentric drive and extra strong lower beam this machine is optimized for the highest levels of productivity, low maintenance costs and problem-free running, year in and year out.

The straight rail is divided into 3-5 segments for quick and easy changing as well as lower damage replacement costs. The machine has three different folding rail widths to choose from and keyhole locking for fast rail changes.

The FX offers 125 mm high box tooling with fast locking. The opening height is 150 mm whether box tooling or straight rail. With box tooling you gain more free space and can fold profiles with very fine measurements. Changing from straight rail to box tooling takes only 6.3 seconds.

Combine FS/FX with the ProLink W control system for exact control, better overview, easier program storage and faster operating. You can even generate folding sequences, collision control, easily managed material tables, tool memory and many more exclusive functions. CIDAN FS/FX gives you an unrivalled combination of raw strength and flexibility.

Working length, mm Steel, max sheet thickness, mm* Stainless steel, max sheet thickness, mm** Aluminium, max sheet thickness, mm***

FS26/FX26	FS32/FX32	FX41
2600	3200	4100
2.5	2	2
1.6	1.2	1.2
3.7	3	3

Tensile strength *400 N/mm2 **600 N/mm2 ***200 N/mm2

- Stable and well-balanced construction.
- Box tooling with fast locking, easy to reposition.
- Generous recesses in beams.
- Smart positioning of extra folding rail.
- Quick changeovers.
- ✓ Foot switch with three pedals and moveable foot switch on rail are important safety features.
- Easy to maintain.



As multifaceted as your profile.

CIDAN FORMA metal folder reflects decades of experience and development in technology and design. FORMA is a "cross-over" capable of handling requirements from small series production to proper subcontracting. It offers speedy production, easy ergonomics, strong construction, quick tool changes, and simplicity in programming. The FORMA metal folder is equipped with Combi beam as standard and can be equipped with Multifold as an option.

FORMA has a robust construction for decades of trouble-free operating. Dual drive of the upper beam together with a new CLS locking solution that holds the clamping position creating high clamping pressure resulting in precise folding. There is a wide choice of tools and together with us you can design your own tool setup to fit your production perfectly. Simplicity in programming and quick tool changes reduce set up time to a minimum for maximum efficiency and flexibility.

The FORMA control panel can be rotated for optimal viewing and the screen can be turned to the gauging side of the machine when folding large details, for better ergonomics and greater efficiency.

Working length, mm		
Steel, max sheet thickness, mm*		
Stainless steel, max sheet thickness, mm**		
Aluminium, max sheet thickness, mm***		

	FORMA 31 Kombi/Multifold	FORMA 41 Kombi/Multifold
1	3100	4100
	3	2.5
	1.9	1.6
	4.5	3.7

Tensile strength *400 N/mm² **600 N/mm² ***200 N/mm²

- Stable construction.
- Programmable sheet thickness settings.
- Choose between three different heights for box tooling.
- C-tool for deeper profiles.
- ✓ Large selection of rails and tools.
- Combi beam as standard, Multifold as option.

Save time, money and the environment with our control systems.



EasyLink is a complete and user-friendly control system for quick and easy programming. EasyLink can store 1000 profiles each with 99 steps. In every program step, the angle, gauge dimension, opening height, clamping pressure and hem pressure can be programmed. Some of the special functions available

with EasyLink are copying programs, incremental dimensioning, and radius folding. From the easy-to-read touch screen the operator gets clear messages about the programming and operation. The touch screen panel is mounted on a rotating bracket, so that the operator can see it clearly through every step.



With EasyLink you have all the information on the screen at once. You see all nine program lines and the folding process is easy to

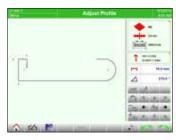


With **ProLink W** you can get precise and fast control of your metal folder. You can choose between using a stored profile, drawing your own custom profile or entering your measurements with classic line-by-line

programming. ProLink W suggests optimal folding sequences, detects collisions, calculates cut size and gives you all the data you need for folding. The program has a built-in material library that calculates machine parameters from material qualities, sheet thickness and length of finished part. You have an excellent overview of the folding process from the screen where you are

presented with all the necessary instructions for a successful result. Every program saves the tool setup you have chosen, which means that the next operator can easily pick up where you left off.

ProLink W is Windows based and can be linked up to your network. You can also import programs via a barcode reader. From nuProduction you can import dimensioned profiles directly into the system and you can also import dxf-files to create folding programs.



It's easy to draw your own custom profile, enter dimensions, choose angles and enter values for radius foldina.



The operator follows the sequence on the screen and receives instructions for the following stages.

You'll find us wherever we are needed

The CIDAN Machinery Group markets CIDAN,

Forstner and NuIT. Our products are sold through dealers and agents in more than 100 countries. For over 110 years CIDAN Machinery has been making sheet metal machinery and today we offer a wide range of solutions and products for the sheet metal, construction and manufacturing industries. All CIDAN machines are

made in the CIDAN Machinery factory in Sweden. Machines for professional processing of coils are made in Austria by CIDAN Machinery Austria GmbH, formerly known as Forstner GmbH, with over 60 years of experience. All our machines are based on our own innovative solutions and patents. Our goal is to offer flexible, easy-to-use machinery of the highest quality.



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