



MT Intersales

Group Intersales

WE FIT THE JOB !



GROUP INTERSALES
WE FIT THE JOB !

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CM ENGINEERING

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Short presentation Group Intersales

MT Intersales

The contact point for those looking for products of the highest quality standard.

We offer exclusively Maier rotary joints, expansion shafts and blowers, spreader rolls, friction shafts and brush rollers.

You can also come to us for repairs. At your request, we will visit you to evaluate the situation on site, without any obligations.

CM Engineering

Tailor-made metalworks as an answer to your question. Based on our study on a supplied design!

Leenstra

Safety first! That is our motto...

We are the exclusive distributor of our supplier Niebling for the detectable and non-detectable hygiene range with more than 3500 articles, IPS, BRC, FDA and HACCP approved.

At Leenstra you can also find industrial brush rollers, made to measure and for all purposes.

MT Intersales

Our product range



THE COUPLING CONNECTION !



A rotary joint is the connection between a fixed and a rotating rotating pressure system. Any rotating system that needs to be cooled or heated therefore relies on water, steam or thermal oil rotary couplings. Depending on the application (pressure, temperature, medium, diameter) we offer different types:

[illegible]

**DC**

Rotary joint suitable for hot water and steam at high pressures and speeds. Relieved mechanical seal with external water cooling. Particularly suitable for paper and fleece calendars, fibre and corrugated board machines. Suitable for large steam-heated dryers. Patented system.

DP

Universal rotary joint for water and thermal oil with balanced mechanical seal and roller bearings. Various sealing combinations can be selected, depending on the application. Ideally suited to the pressure and plastics industries.

DQ

Rotary joint for thermal oil at high temperatures and speeds, balanced mechanical seal. DQ, DQT, DQTX with additional cooling circuit for cooling and lubrication of bearings and seal. Particularly suitable for fast running calendars.

DX

Universal rotary joint for water, equipped with mechanical seal and roller bearings. DXS with highly resistant sealing surface with ceramic coating for higher temperatures and speeds as well as a longer service life.

**DZ**

Rotary joint for compressed air. Multiple channels for different pressures, large and small volumes. Stainless steel with special sealing rings and counter surfaces made of ceramic or other hard material. Extremely resistant.

H

Universal rotary joint with maintenance-free carbon sealing rings and plain bearings. Metal-impregnated sealing rings for thermal oil and high pressure loads with hot water and steam. Built-in vacuum valve at H3 for steam cylinder. Wide range of different versions.

M

Robust rotary joint for contaminated media at low speeds. Easily accessible lubrication points. Supporting bearing corrosion-resistant. Runner connection based on K-flange connection and standardised thread connections according to ISO 228. Reducing pieces for NPT thread available.

MP

Multi-channel rotary joint for the simultaneous passage of up to passage of up to ten different media simultaneously. For rotary tables, tools and moulds.



Our service team is your guarantee for the perfect repair of your rotary joints

Our service team is specialised in the repair of all standard couplings. DQ and DXSA couplings can also be overhauled on site.





Expansion shafts

Working principle

An expansion shaft is a pneumatically expandable shaft. The core is fixed, but the usable shaft diameter can be increased by expanding cams or rulers that are controlled by compressed air. In this way it is possible to put the shaft in its normal position in a tube and then apply. Then compressed air is applied so that the sleeve tightens around the shaft and rotates to wind or unwind the material. To remove the shaft from the tube, simply let the air escape and allow the cams or rulers to slide back in.

Applications

Expansion shafts were, of course, originally used mainly in the textile and paper industry. However, the system can be perfectly integrated in any packaging process involving rolls of paper or film. Compared to a system with conical pieces, an expansion shaft offers the following advantages:

- Great precision
- Time saving
- No manual intervention required.
- The rolls are stretched over the full width.



Standard types of expansion shafts

Expansion shaft with cams



Expansion shaft with rulers



Span sleeves



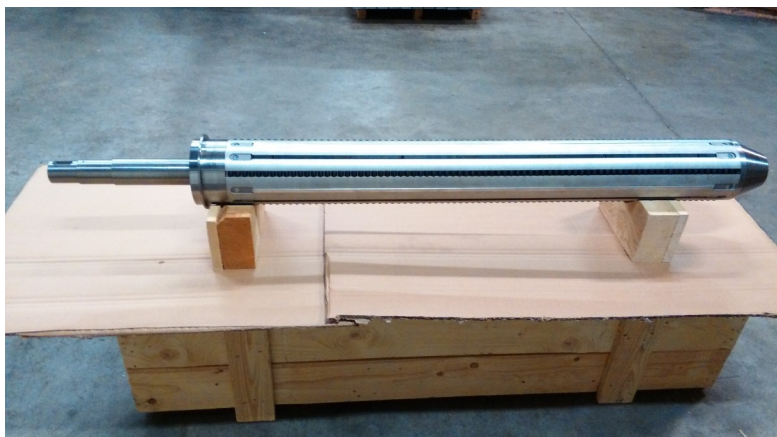
Port à faux



Our service team for the repair of expansion shafts

Have your expansion shafts repaired by us!

We have most of the parts in stock. Consequently, our service team can always provide a quick repair of your damaged shafts.





Safety chuck

Working principle

Depending on the type of machine, it is necessary to mount the expansion shafts using safety chucks. These can be mounted with a motor to drive the shafts or with a brake to slow it down.

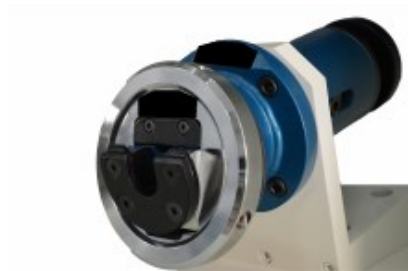
They are available in different versions: with or without drive shaft, on foot or with flange.



Safety chuck on foot



Safety chuck with flange





Spreader rolls

Working principle

Spreader rolls are used to remove the folds from wrapped material. We find them in many sectors

The wrapped material may consist of:

- Paper
- Cardboard
- Textile
- Aluminium
- Plastic foil

It can also be applied to hot or cold and dry or wet material. The spreader rolls can be up to 10 metres wide and have a fixed or adjustable arc.

Service team repairs spreader rolls

Have your spreader rolls repaired by us!





Friction shafts

Working principle

Friction shafts are used in applications where several small rollers on one shaft. Because the tensile stress of the material (paper or film) is often not completely identical across the width of the master roll, it can happen that cut rolls are not the same length.

Therefore, it is sometimes necessary for the rollers to slip slightly when a certain tension is reached. This tension can be set by the user.





ROBA slip joints

Working principle

Slip joints are used as overload protection for machines with chains, gears and pulleys as well as for expensive and sensitive motors, gearboxes or machine parts. When the overload occurs, the drive element slips and the rotational force is limited.

These couplings are used for different machines in various industries: packaging machines, conveyor systems and equipment, construction machines, textile machines, agricultural machines, mechanical equipment, animal feeding equipment, loading systems, machines for the chemical industry and in machines and equipment in industrial engineering in general.





Swivel joints

Working principle

Swivel joints are the basic elements in movable pipe systems and enable pipe systems to be moved 360° in one or more horizontal or vertical planes. The low torque of the swivel joints ensures that controlled three-dimensional movements can be performed.

Swivel joints have a wide range of applications in all industries. They are used for various media:

- Liquids
- Gases
- Powders
- Granules
- Pulp



CM Engineering

Short presentation



ENGINEERING MATTERS...
ENGINEERING SOLUTIONS !



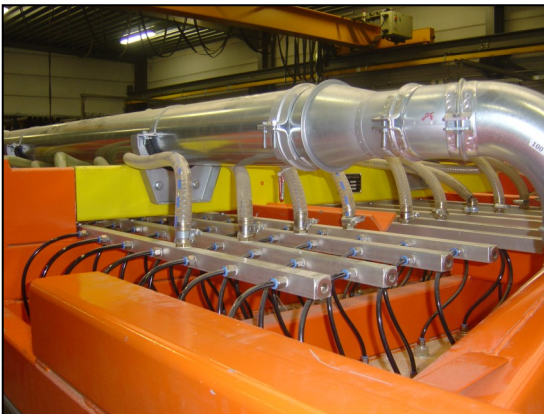
Short presentation

CM Engineering takes care of all your construction and repair needs, ranging from welding and assembly work and this to the customer's specifications.

Made-to-measure metalwork as an answer to your question.
On the basis of our study or on the basis of a supplied design!

- Turning and milling work
- Repair of couplings and expansion joints.
- Metal construction





Leenstra

Short presentation



SAFETY FIRST !

Short presentation

BST by Leenstra

Safety first!

VISIT OUR WEBSHOP



Safety first!

www.leenstra-art.be

Safety first! That is our motto... We are active in the area of in the field of hygiene material and have more than 3500 articles in our range, detectable and non-detectable. Because of these hygiene materials, we also specialised in the production of shadow boards to hang these articles on shadow boards to hang these articles from.

We have also applied the expertise gained in the process to the design of technical shadow boards, for the suspension of tools, electronic components, etc.

We work together with some large companies that have become important customers of ours, especially in the food industry, but also in the textile sector, etc.

Our comprehensive range of detectable and non-detectable hygiene materials are HACCP, BRC, IFS and FDA certified and are available in up to 12 different colours for improved organisation.

Visit our webshop! -> www.leenstra-art.be



Suspension systems and shadow boards Leenstra

Tailor-made shadow boards for hanging up all your hygiene materials, but also for hanging up tools, electronic components, etc. In addition we can also realise your signs. Our designs provide a personal look, your logo, your department, your mascot, a motivating slogan, in the colours, sizes and finish you desire...

Everything is possible! Our employees design with passion and your employees will enjoy organising their equipment in this way!



A selection from our range

Bristle rollers

The tailor-made solution for various sectors:

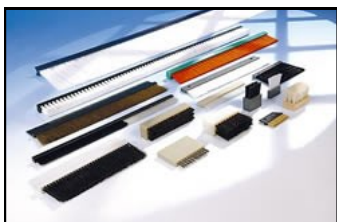
- Food industry: brushing rollers can be used for cleaning or peeling food products such as vegetables, fruit, potatoes, etc.
- Foil and plastic: for plastic films, the brush roll ensures efficient and efficient and gentle flattening of wrinkles in the foil films into the smallest corners.
- Paper: also for paper webs, the brush roll is an excellent way to flatten and stabilise the fabric.
- Textiles: thanks to the flexible bristles, the brush roller ensures optimal adaptation to the textile.
- General: cleaning of conveyor belts in all sectors.

Industrial bristle rollers

Always made-to-measure, and for all sectors. Food companies; HACCP, BRC, IFS, FDA approved, detectable or not. Industry; different qualities of shafts and hair. We measure everything for you and design a technical drawing according to your wishes.



Industrial bristle rollers





Standard hygiene shadow boards

A custom-made suspension system for hygiene materials.

Keep materials in the same space by using colour codes; every utensil therefore knows its place on the shadow board. You can also print a serial number in the shadow for when something needs to be ordered.

Industrial shadow boards

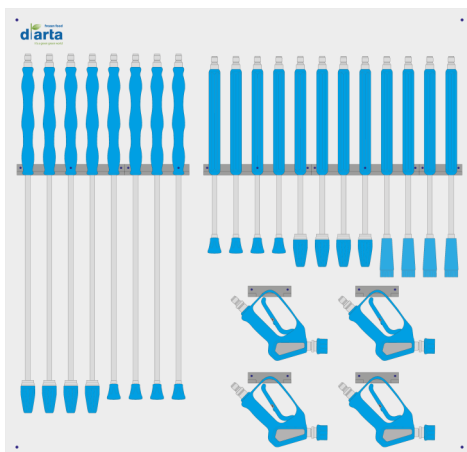
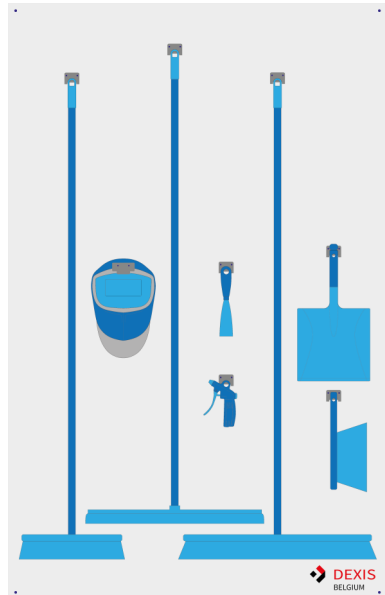
A shadow board helps to give frequently used or valuable objects a place, so you can easily create order and tidiness. No more lost objects!

Signalisation boards

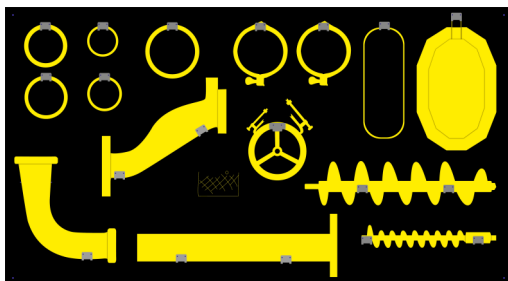
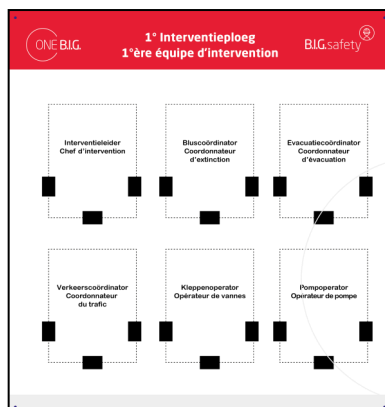
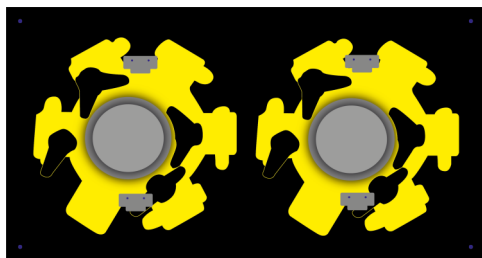
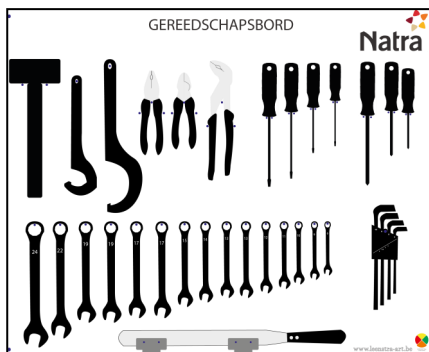
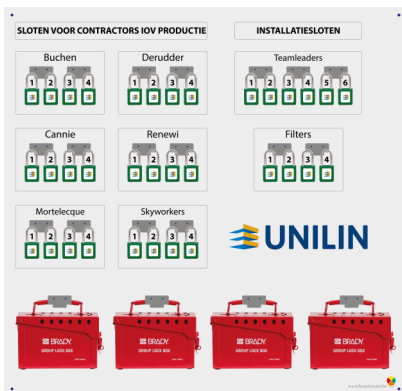
In addition to our standard and industrial shadow boards, we can also realise your signs, fully customised and according to your preference of colour, size, finish and shape.



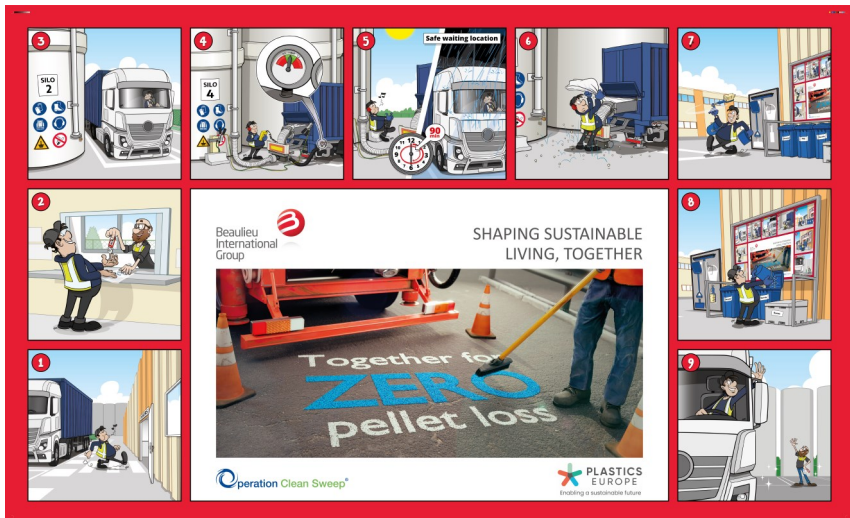
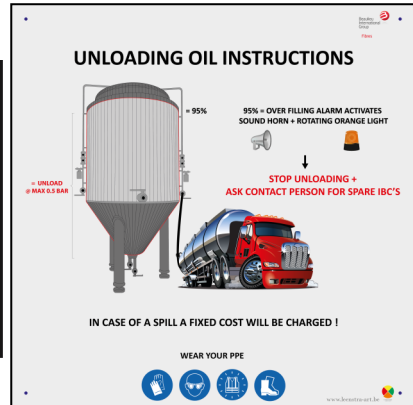
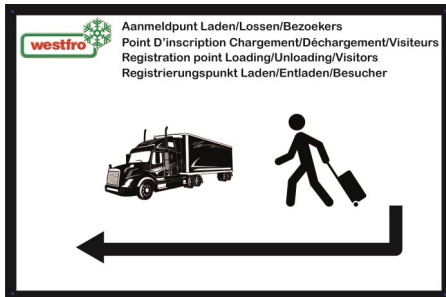
Shadow boards







Industrial shadowboards




Signalisation boards



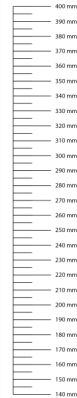
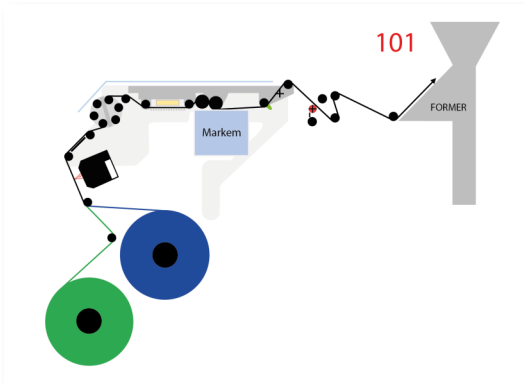
Whiteboards

	Team 1/X	Team 2/Y	Team 3/Z	Team 4	Team 5
				<p><u>Best of the best snacks</u></p> <p>Instructie: Iedere dag streven naar het beste product voor onze klanten. In de huidige shift beter product gemaakt dan wat je reeds aan het bord hebt gehangen? Verwissel dan de zak.</p>	
				<p>De 1^e week van de volgende maand evalueren we alle producten aan het bord.</p>	
					
					

Datum		Initialen	Defecten	Probleem
<div> <div>  </div> <div> <p>Nuttige nummers</p> <p>TD</p> <p>FLM TD</p> <p>Receptie</p> <p>Kuisploeg</p> <p>Smartphone</p> <p>SET PO</p> <p>TL Chips</p> <p>TL Snacks</p> <p>FLM WWT</p> <p>EFU manager</p> </div> </div>				
<div> <div> <p>Personneelsplanning</p> </div> <div> <p>Kuisplanning</p> </div> </div>				
<div> <div> <p>Ophalingen</p> </div> <div> <p>Communicatie</p> </div> </div>				

Voorzuivering		Man/Auto	%
Wachttijd separator → mengtank			min
Wachttijd mengtank → vergister			min
Capaciteit Squeezer			kg DS/h
Fermentatie		Man/Auto	%
Brander	Toerentalverschil		rpm
Decanter	Debiet aeroob slib		m ³ /h
	Totaal debiet slib		m ³ /h
	Debiet polymer		Uh
	Slibretour		Start/Stop
Aerobie/Anaerobie			
CR → Aerobie			m ³ /h
CR → Anubix			m ³ /h
Debiet C1/C2			m ³ /h
Beluchting			%
Extra parameters			
1.			
2.			
3.			
Water aan lijnen		Somati	Zacht
	LOPC		
	PC50		
	PC42		
Communicatie			

Personalized stickers



Hoe beschermen tegen stof

Afdeling : recyclage



Type masker	Artikelnr.	Doorgang/ bezoek	Gesloten heffruick	Open heffruick	Kortstondige taken* ≤ 10 min, af taken met lage stofaanconcentratie	Langdurige taken** ≥ 10 min, en taken met hoge stofaanconcentratie	Bescherming.
		AANBEVOLEN		VERPLICHT			Enkel bescherming tegen stofdeeltjes
Vouwmasker	R092092						
Haifgelaats- masker	R258718						Gecombineerde bescherming tegen Formaldehyde en stofdeeltjes
	S R0308205						
	M R032363						
	L R091263						
Volgelaats- masker	M R056735						
	L R145563						
Luchtkap	65063326						
	65063595						

Kortstondige taken*: onstoppen, ledigen bakjes, technische werken ...
Langdurige taken**: onstoppen, afblazen machines, vervangen filtermouwen ...

www.leenstra-art.be



Detectable hygiene material

Our product range is available in up to 12 colours.

This facilitates the exact allocation of a cleaning tool to a particular stage of production. This prevents cross-contamination is prevented, which would happen if they were used "outside their colour" would happen if they were used "outside their colour".

We supply this material in metal detectable and x-ray version.

Non-detectable hygiene material

Detect or not detect? The choice is yours... All materials are HACCP, BRC, IFC & FDA approved.

ESD conductive, antistatic tools

Conductive cleaning equipment and tools to prevent sparks - more safety for your employees and products.





Detectamet pens

Our detectable pens are available in different versions. There are 8 colors available according to the version of choice. These pens are high in quality, don't leak and have a sturdy clip. This clip does not break off easily because the whole pen is moulded in one piece.

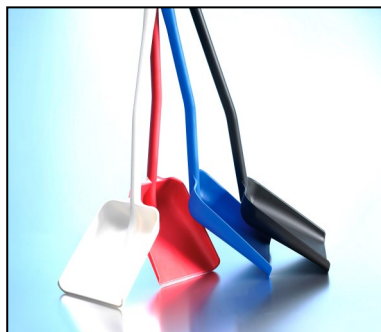
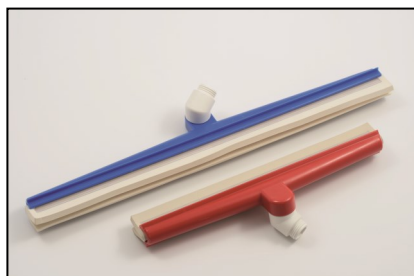
We also have permanent markers and whiteboard markers available for purchase.

We have lots of Detectamet pens and markers in stock.





Hygiene material





New in our range

Floor stickers and personalised stickers

The possibilities are endless: both for permanent and removable removable stickers, and for both indoors and outdoors.

Pictograms

We also manufacture and deliver all pictograms, whether existing or designed by you. Would you rather have us design a pictogram for you? Everything is possible. The pictogram can be printed on a sticker as well as on dibond.





Naam: _____

Datum: _____

Hand vansteller: _____

Machine nummer: _____

Opgeblazen controle hefftruck

Beveiliging
Bijzondere
Functie

KEUWINGSVERSLAG

OK

NIET ACTIE

VEELKE CONTROLER

OK

NIET ACTIE

TESTEN BEVEILIGINGEN

OK

NIET ACTIE

TRACERBAATSTEL

OK

NIET ACTIE

ANDERE PROBLEEM/DEFECT

BEZORG MIJ AAN HET ONDERHOUD BIJ OPMERKINGEN

Naam: _____

Datum: _____

Hand vansteller: _____

Machine nummer: _____

Opgeblazen controle hefftruck

Beveiliging
Bijzondere
Functie

KEUWINGSVERSLAG

OK

NIET ACTIE

VEELKE CONTROLER

OK

NIET ACTIE

TESTEN BEVEILIGINGEN

OK

NIET ACTIE

TRACERBAATSTEL

OK

NIET ACTIE

ANDERE PROBLEEM/DEFECT

BEZORG MIJ AAN HET ONDERHOUD BIJ OPMERKINGEN

Naam: _____

Datum: _____

Hand vansteller: _____

Machine nummer: _____

Opgeblazen controle hefftruck

Beveiliging
Bijzondere
Functie

KEUWINGSVERSLAG

OK

NIET ACTIE

VEELKE CONTROLER

OK

NIET ACTIE

TESTEN BEVEILIGINGEN

OK

NIET ACTIE

TRACERBAATSTEL

OK

NIET ACTIE

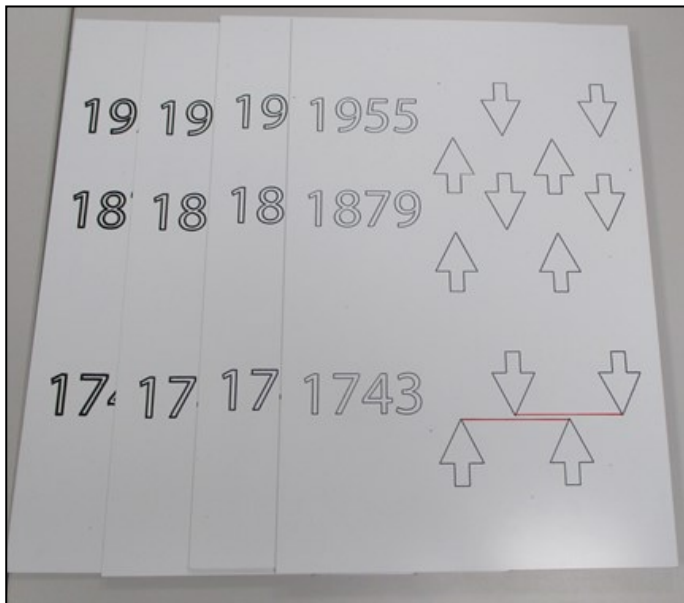
ANDERE PROBLEEM/DEFECT

BEZORG MIJ AAN HET ONDERHOUD BIJ OPMERKINGEN



Engraving in Dibond

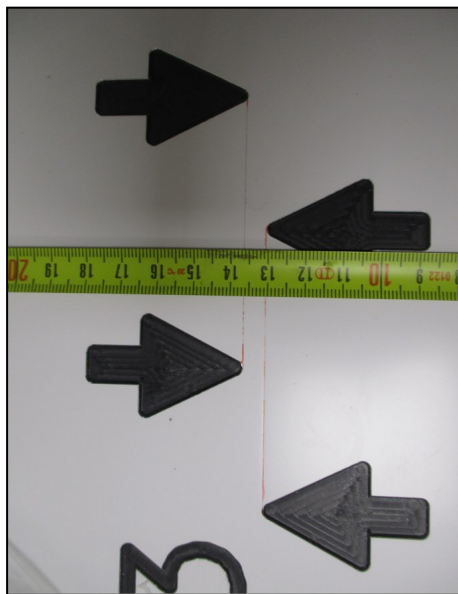
Engraving is a machining operation. A stencil is made in aluminium or plastic using a router. In practice, engraving is the cutting of a design onto a hard, usually flat, surface. Engraving creates grooves in the material, resulting in a deeper image. The grooves are filled with an environmentally friendly two-component (epoxy) lacquer. components (epoxy) varnish. These stencils are also called engravings.





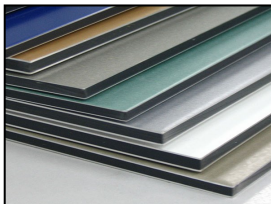
Milling in Dibond

Milling is another machining operation that is controlled by an automated CAD system. By means of a milling cutter, material is removed, so that slots, grooves, edges and indentations can be created, grooves, edges and indentations can be made. The cutting action of the milling cutter provides a fast method of processing. Milling actually refers to the removal of metal from the workpiece with an instrument that has several cutting points and rotates about its axis. Each cut point removes a small amount of the metal, and because multiple cutting points rotate at high speeds, larger surfaces can be machined. The main advantage of milling is that it can be used to perform literally any operation with a high degree of accuracy.





Forex also known as foam board, is ideal as a promotional display material. Thanks to the special foam core, forex material is very strong yet flexible. The lightness of the material and its flexibility make forex ideal for curved walls or constructions and is easy to assembly. The applications of forex boards are endless.



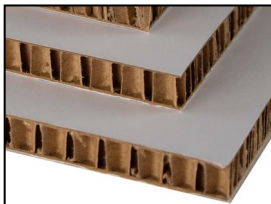
Dibond is also known as Alubond or Alu-composite or sandwich boards, is extremely impact-resistant and rigid sheet material for frequent use. Composite sheets consist of a black, thermoplastic PE core between two

precoated aluminium sheets. The material is extremely impact-resistant and rigid, as a result of which it is frequently used in the sign & display market and offers extensive design possibilities. The surface of aluminium sandwich plates is extremely flat, corrosion-free and has a low coefficient of expansion. The robust aluminium sandwich sheets combine these properties with excellent printability with uv-curable inks and formability.

Available in different thicknesses: 2 - 3 - 4 mm



Channel board or corrugated propylene is a lightweight double-walled sheet material for various applications. Channel board is a widely used material to make real estate, folding and yard signs. The material can be cut in any desired shape. Because of its light weight, solid structure and economical price, it is a good replacement for large outdoor posters posters for outdoor use.



Re-board is a sturdy cardboard for affordable advertising material. Thanks to its low weight and sturdiness, re-board can be used for numerous applications. For example, the material is ideal for stand builders or for the refurbishment of a shop. Re-board is not

water-resistant, but it can withstand moisture better than other types of cardboard.



Vinyl sticker is great for outdoor advertising, promotional purposes or to brighten up the brighten up. The stickers are suitable for indoor and outdoor use and do not leave any glue residue when removing. Choose from two different cutting methods: clean cut and

contour.

**PPE**

We now also have an extensive range of Personal Protection Equipment, ranging from boots and shoes to head protection. Feel free to contact us with your questions!

**Bekina Boots****Artelli:
Pro-Sorrento****Cofra:
Steal S3 SRC****Redbrick:
Onyk S3 SRC****S2GO:
City Walk S1P SRC****Grisport:
801L S3 HRO HI SRC****Artelli:
Pro-Pu Single****Artelli:
Pro-Nitril Foam****Artelli:
Pro-Latex Cut Resist****Centurion:
Helmet 1100
Classic
with sweatband****Centurion:
Helmet Spectrum
RP-Wheel-30mm/
combi white****Artelli:
Goggles
Pro-Eagle****Uvex:
Goggles
I-VO Blank**



Moldex:
Dust mask FFP2 Classic
Sold per pack



Moldex:
Dust mask FFP3 D
Sold per pack



Moldex:
Disposable half mask



Moldex:
Full mask
9000 Easylock



Artelli:
Face shield Tucan



Moldex:
Earplugs Pura-Fit
Sold per pack



Moldex:
Earplugs
Spark Plugs
Sold per pack



Moldex:
Earmuff
M1 6100



Moldex:
Earmuff
M5 612001



Professional cleaning products

Project-clean

Floor soap, degreaser, stainless steel cleaner, oven cleaner... from now on, one product and the correct dosage for all these enough for all these applications. Non-aggressive for the skin and safe.

Tempo-stop

A liquid unblocker for resolving all organic blockages. Does not affect PVC pipes. Applicable for toilet, shower, cisterns,...

Axioma

This toilet cleaner removes limescale, rust and discolouration.





Photos: projects in reality





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