Second Edition 2012







Welcome to Düssen's First Catalogue.

Established in 2005 as Grünbauer Engineering, our company set out to provide a superior service to it's customers in the area of maintenance and repairs of their processing machinery.

In 2009 Grünbauer Engineering changed it's name to Düssen Pty Ltd and moved to larger premises to allow the expansion of our services provided to include the supply of top quality brands of machinery, ingredients and ancillary items.

Our aim is to provide First Rate Service, Quality Ingredients and First Class Machinery.

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Düssen reserves the right to alter or amend any information contained in this catalogue without prior notice.

While all care has been taken in preparing this catalogue, no responsibility can be

Contents:

Mincing & Shredding

Page 1 - 3

- Mincers
- Shredders
- Mixer Mincers

Cutting

Page 4 - 9

- Bandsaws
- Slicers
- Portion Cutter
- Dicers
- Bowl Cutters
- **Tenderizers**

Filling

Page 10 - 11

- Vacuum Fillers
- Hydraulic Fillers
- Water Fillers

Packing

Page12 - 15

- Vacuum Packers
- Dip Tanks
- Bench Wrappers
- **Smoking / Cooking / Woodchips** Page 16 - 17
- Smoke Ovens
- Woodchips
- Cook Tanks

Injecting / Massaging

Page 18

- Brine Injectors
- Hand Injectors
- Massagers

Ice Making

Page 19

Ice Machines

Accessories

Page 20 - 21

- Column Hoists
- Nally Tubs
- Knife Sharpeners
- **Butchers Belts**
- Mesh Gloves
- Hand Saws
- 200 litre Dump Bins
- Trolleys
- Knives
- Hooks
- Knife Pouches
- Mincer Knives and Plates

Fax: (07) 3393 6352

accepted for errors or omissions.

Mincing & Shredding

Thompsons comprehensive range of mixed mincers are designed to be compact and user friendly, with their small footprint and low loading heights. Thompsons range of options will allow you to have the right machine to suit your requirements.





Options

- Foot pedal
- ·Feedscrew ejector
- Ingredients/ liquid channel in lid
- ·240Volts model on the 840 and Omega 900







Thompson's Mixer Mincer Range

MODEL	BOWL CAPACITY	MIX CAPACITY	MINCING HEAD SIZE	MINCING HEAD OPTION
840	60 Litre	40 Kg Fresh Trim	32 Series	NONE
900 OMEG	A 100 Litre	60 Kg Fresh Trim	32 Series	42 Series
900	100 Litre	60 Kg Fresh Trim	42 Series	32 Series
3000	150 Litre	100 Kg Fresh Trim	42 Series	NONE

Mincing & Shredding

The Thompson 4000 Series of Mixer Grinder

Used extensively in high production facilities throughout the world, the 4000 series is renowned for it's outstanding performance and reliability.





OPTIONS

- Stainless steel elevating stands.
- Variable speed drives.
- Controllable mix / grind cycles.
- PLC pre-set programmable control.
- Product temperature readout.
- Gemini connection / system.
- Pneumatic lid operation.
- CO2 cooling.
- Debone / degristle system.
- Feed screw / knife and plate trolley.
- Ingredients / liquid chute in lid.
- Load cells to mixing bowl.
- Feed screw ejector.
- Segmented removable stainless steel barrel system. 5000 series only

MODEL	BOWL CAPACITY	MIX CAPACITY MIN	ICING HEAD SIZE	MINCING HEAD OPTION	MINCING SPEEDS
4000-56	200 Litre	150 Kg FRESH TRIM	56 Series	66 Series	2 Speed
4200-56	300 Litre	1x 200L BIN	56 Series	66 Series	2 Speed
4300-56	400 Litre	1.5x 200L BIN	56 Series	66 Series	2 Speed
4200 FROZEN -50	350 Litre	1x 200L BIN 90Kg frozen flake beet	f 56 Series	66 Series	Single Speed or 2 Speed
5000	500 Litre	300Kg FRESH TRIM	56 Series	66 Series	Single Speed or 2 Speed



The THOMPSON 6000 series offer several models ranging from 200kg to 400kg batch capacity in single paddle design and 1000kg to 2000 kg in twin paddle design.

The 6000 series mixer grinder have the capacity to grind fresh meat, frozen meat, 40mm cube or flaked at -10 degrees Celsius and other various products. Some of the options for the 6000 series are.

- .CO2 cooling
- .Vacuum
- .Variable speeds to all drives
- .Product temperature readout
- .PLC pre-set programmable control

The VERSATILITY of the 6000 is by its design, with interchangeable head sizes and cutting systems 56/66 and 11inch double cut, as well as interchange able feed screws of 130mm and 170mm.

Product Flow During Mix Cycle Counter Rotating Multi-Directional Overlapping Cyclic Mix

Thompson Meat Machinery FLAKERS are a heavy duty high speed machines that quickly transform frozen blocks into flakes of meat, thereby keeping processing temperatures low and offering the flexibility of always being able to increase production schedules on demand.

The Flaker processes a frozen block 550x350x150 in 15seconds, providing a flake size of 5mm to 10mm depending on temperature

6000 SERIES MIXER GRINDER



PICTURED WITH OPTIONAL CONTROLS

THOMPSONS MULTI-DIRECTIONAL MIXING SYSTEM.

During the mix cycle the transfer screw operates in reverse displacing product from transfer screw channel ensuring the batch is thoroughly blended. Multi-directional product movement on every rotation maximizes partical displacement through out the bowl **Cutting** Page 4

Thompson Meat Machinery

bandsaws are designed to offer a reliable smooth cutting operation providing a clean cut.

Constructed from high quality stainless steel and engineered in a way to make cleaning a breeze.

With three model to choose from and multiple options available, there is a model to suit everyone.

Thompson 350

Options

- Sliding table with stainless steel rollers
- Fixed table with fold down sliding table



BLADE SIZE

TABLE SIZE **CUTTING** WIDTH

980mm x780mm

345mm

MOTOR 1.5kw 415volts

Thompson Mk3

Options



BLADE SIZE TABLE SIZE **CUTTING** WIDTH **MOTOR**

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3290mm X 16mm 750mm X 850mm 400mm

1.5kw 415volts

OUTSTANDING FEATURES OF THE THOMPSON **BANDSAW'S**

Precision balanced wheels Stainless steel construction Stainless steel blade scrapers Automatic blade tensioning Adjustable feet Low voltage controls Door safety switches Adjustable table guide

Options

- Stainless steel wheels
- Sliding table with stainless steel rollers
- · Last slice device

Thompson 400



BLADE SIZE 3290mm X 16mm TABLE SIZE 750mm X 850mm 400mm **CUTTING** WIDTH

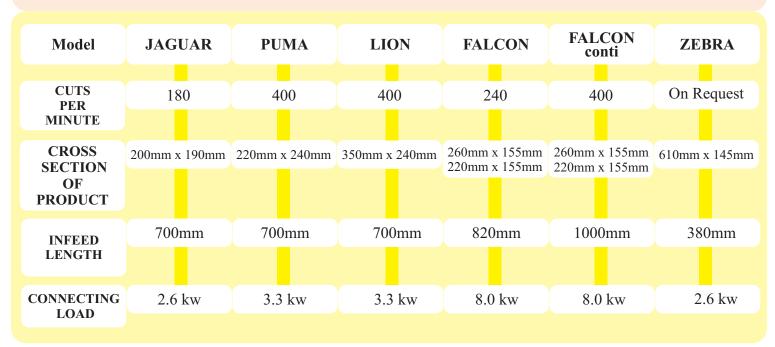
MOTOR 4kw 415volts

Cutting

If output and precision need to be combined then TREIF has got you covered, with their range of portioning machines for cutting cutlets, steak, schnitzel and many more fresh and cooled products, or products frozen to - 4 degrees.







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Cutting

Treif slicers are designed to place the highest value on aesthetic presentation of your products. It does not matter if you are slicing sausage ham or cheese. Your product is sliced cleanly, stacked in a first class way and there for presented with a high degree of quality.



- Perfect product presentation provided by the SAS cutting system.
- Optimum product hygiene and first class slicing quality thanks to sickle blade technology.
- No over head blade change
- Easy, time-saving cleaning due to open design of the machine and cutting area.





MODEL	DIVIDER 440	DIVIDER 600	DIVIDER 600vairo	DIVIDER 800
MAXIMUM CUT	1600 per/minute	2400 per/minute	2400 per/minute	3200 per/minute
CROSS SECTION OF PRODUCT W x H	280mm x 160mm	280mm x 160mm 320mm x130mm	280mm x 160mm	280mm x 160mm 320mm x 130mm
MAX INFEED LENGTH	800mm	800mm	800mm	1200mm
CONNECTING LOAD	7.2 kw	14.0 kw	14.0 kw	19.5 kw

 Cutting Page 7

TREIF will provide you with perfect cutting quality whether your requirements are a diced, stir fry or grated product. With a range of eleven machines ranging from manually controlled semi-automatic to computer controlled fully automatic machines. These world class machines will enable you to stream line your production.





FELIX SPECIFICATIONS

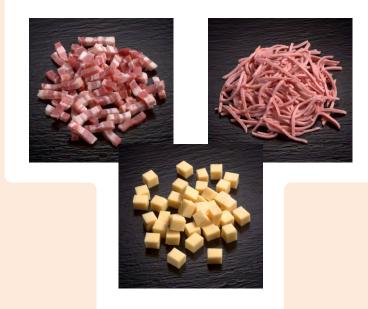
CAPACITY 800 kg/h

CUTTING CHAMBER SIZE WxH 96mm x 96 mm

INFEED LENGTH

300 mm

CONNECTING LOAD 1.0 kw





TWIST SPECIFICATIONS

CAPACITY 3500 kg/h CUTTING CHAMBER 120mm x 120mm

SIZE WxH

INFEED LENGTH 550mm CONNECTING LOAD 4.5 kw



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Brice slicers –There's a model to suit your budget and your needs, from sandwich bars to the largest retail deli's. With over 20 slicers in the range, ranging from 220mm diameter blades to 350mm diameter blades in manual and semi automatic, belt and gear driven.

Brice 3001B

The 300IB is a gravity feed slicer with a 300mm diameter blade. With it's low profile design and inbuilt safety ring guard this belt driven slice is perfect for small to medium shops.



Brice A35FG

The A35FG with it's large 350mm blade is a budget gear drive slicer, incorporating a safety ring guard on the blade and removable carriage for easy cleaning. Gear drive slicers are designed to provide slicing power for larger products.





Bizerba tenderizer are renowned for their durability and high performance when it comes to tenderizing and stir fry cutting

OPTIONAL STIR FRY UNITS

- 4MM
- . 8MM

MAXIMUM PRODUCT LENGTH 195 mm MAXIMUM PRODUCT THICKNESS 30 mm POWER 230 volts 50hz

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Cutting Page 9

ESB4434



Maja ESB4434V is designed to do two applications in one machine. This combined model for derinding and skinning is able to be used for manual and automatic operations, with the use of an infeed conveyor belt. Cutting width of 434mm.

MAJA the name you turn to for defatting, membrane skinning, skinning and slicing, whether you process fish poultry or meat, Maja has the machine to meet your needs.





The EVM4006 is a high performance membrane skinner that meets the stringent requirements of the meat processing industry. Suitable for large cuts with its 554mm cutting width.







The BXM series of derinder is suitable for derinding thicker and flat meat cuts. The product to be derined is precisely introduced to the blade thanks to a special pressure device that automatically lowers the infeed conveyor. All cuts are derined with an excellent result. The BXM series is available in widths of 443mm, 554mm and 754mm.

Filling Page 10

The REX RVF327 vacuum filler are designed for small to medium size enterprises. The compact RVF327 with it's 90litre hopper is ideally suited for small spaces, coupled with a simple to operate touch screen and standard clipper socket, enabling the use of clippers and additional machines when required to produce the perfect sausage.





RVF327 SPECIFICATIONS

FILLING CAPACITY 2700 KG/H
HOPPER SIZES 90/150 LITRE
FILLING PRESSURE 40 BAR
PORTIONING AND 200 PORT/MIN
LINKING SPEED @ 200 GRAM

POWER 5 KW



With eight vacuum fillers in the range, THE **REX RVF760** lies in the middle complete with an integrated hoisting unit for the 200litre dump bins. The **RVF760** is designed for the meat processing industries as well as the middle sized and larger often specialized enterprise.

The vane cell feed system guarantees gentle transport of all substances, with no squashing, pressing or teasing.

RVF760 SPECIFICATIONS

FILLING CAPACITY 6000 KG/H
HOPPER SIZES 250/350 LITRE
FILLING PRESSURE 45 BAR
PORTIONING AND
LINKING SPEED @ 200 GRAM
POWER 11 KW



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Filling Page 11

The Thompson oil hydraulic sausage fillers are hygienic smooth running knee operated machines. A quick release twist lock lid ensures fast refill times. For ease of cleaning the stainless steel lid and barrel are total removable.



Thompson Water Filler

Capacity 70lb
Power Water
Diameter 500mm
Nozzle Height 1100mm



Thompson 20kg

Capacity 20kg

Power .75kw 415v

Diameter 500mm Nozzle Height 1100mm

Thompson 27kg

Capacity 27kg

Power .75kw 415v

Diameter 500mm Nozzle Height 1250mm

Packing

HENKELMAN "CREATING NATURAL PROTECTION"

Henkelman packaging machines ensure an optimal 'natural protection' in a wide variety of products. Henkelman's advanced engineering, modular construction and well-balanced designs ensure that the machines perform optimally and are easy to maintain.



Pump Capacity 16 m3/h Cycle Time 15-30 seconds Power 240 volts







240 volts

Power

240 volts

HENKELMAN 'The Falcon Series' For the astute buyer looking for quality and value.

• Soft air

• Bi-active seal

Sensor control



FALCON 52 Aluminum lid and chamber

Cycle Time 15-40 seconds **Pump Capacity** 63m3/h 400v-3-50hz **Power** Standard Seal Double



FALCON 80 Aluminum Chamber and Lid

15-40 seconds **Cycle Time Pump Capacity** 100m3/h Power 400v-3-50hz Standard Seal **Double**





The HENKELMAN FALCON swing lid series comes in two sizes. Aluminum lid and chamber

Model	Falcoi
Seal Length	4501
Distance Between Seal Bars	580ı
Pump Capacity	63m
Voltage	400v-
Aluminum chamber and Lid	Stan

Falcon 2-70		
550mm		
700mm		
100m3/h		
400v-3-50hz		
Standard		

Packing

HENKELMANS POLAR SERIES

This renowned series of stainless steel packaging machines for industrial applications with their flat bed systems for easy cleaning. Full range of vacuum and MAP packaging options.

Well balanced construction and high quality materials guarantee durability and faultless performance.



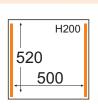


Cycle Time 15-40 seconds
Pump Capacity 100m3/h
Power 400v-3-50hz
Double Seal Standard
Soft Air Standard



Options

- Wide seal
- Cut seal
- Bi-active seal
- 1-2 Cut seal
- Gas flush
- Sensor control



Cycle Time 15-40 seconds
Pump Capacity 63m3/h
Power 400v-3-50hz
Double Seal Standard
Soft Air Standard



Polar 52



The HENKELMAN POLAR swing lid series comes in five different sizes. A size to suit everyone.

Model	Polar 2-40	Polar 2-50	Polar 2-75	Polar 2-85	Polar 2-95
Seal length	620mm	620mm	620mm	840mm	1100mm
Distance between					
seal bars	400mm	500mm	750mm	830mm	730mm
Pump capacity	63m3/h	100m3/h	160m3/h	300m3/h	300m3/h
Voltage	400v-3-50hz	400v-3-50hz	400v-3-50hz	400v-3-50hz	400v-3-50hz

Henkelmans modified atmosphere tray sealer and shrink tanks



Henkelman diptanks combined with their vacuum chamber machines provide the excellent tool to improve your product presentation. The shrink bag technology protects your product like a second skin.

DT100 DIP TANK

- Dimensions 950 x 875 x 1055mm
- Digital temperature control
- Voltage 400v-3-50hz
- Power 15kw
- Cycle time 3-5 seconds
- Maximum loading capacity 60kg
- Isolation balls against evaporation

DT60 DIP TANK

- Dimensions 740 x 770 x 1055mm
- Digital temperature control
- Voltage 400v-3-50hz
- Power 9kw

Phone: (07) 3393 6552

- Cycle time 3-5 seconds
- Maximum loading capacity 60kg
- Isolation balls against evaporation





Smoking, Cooking & Woodchips Page 16

smoke - air The fine art of smoking

KERRES anlagensysteme

1600 RET-C

With smoke generator in the door and 3/4 trolley.



Since 1966 Kerres have developed and manufactured smoke houses for drying, smoking, cooking, roasting and cooling.

Kerres modular design, versatile accessories and functional operating elements enables Kerres to provide units in the right dimensions, with the right equipment for each size of business. Whether a small family business or a big industrial company.

Kerres cooking units come in a large range of sizes and options which include.

- · Liquid, friction and wood chip smoke generators
- Electric, gas, oil and steam heating
- · Available as close or exhaust air reduced circulation system dependent on model
- Hot smoke, cold smoke and intensive
- · Drying, smoking, dry cooking, air-conditioning and showering

JS 2850

With separate smoke generator and full height trolley



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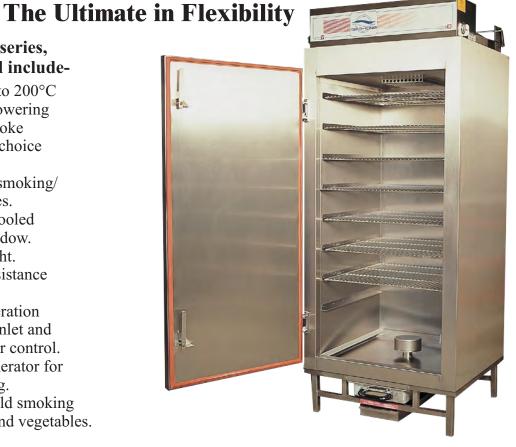


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Hand Loaded 1100 Series and 2300 -

Options within this series, depending on model include-

- Temperature range to 200°C
- Cold water food showering
- Built in external smoke generators for easy choice of smoked flavour.
- User stored drying/smoking/ cooking programmes.
- Double glazed air cooled food inspection window.
- Internal viewing light.
- In built cleaning assistance system.
- Fully automatic operation with motorised air inlet and exhaust vent damper control.
- Separate smoke generator for long period smoking.
- Refrigeration for cold smoking fish, meat, cheese and vegetables.



These hand loaded ovens are perfect for retail butchers, delis, hotels and supermarkets that want to hot smoke, roast, steam cook meat, poultry and vegetables and also bake pastry products.

One oven can do it all. They can even be used for cold smoking using a special process developed by Smo-king Ovens for our customers.

RÄUCHER GOLD

WOODCHIPS and FRICTION LOGS Used and recommended by the world's leading manufactures of smoke houses. Available in BEACHWOOD, OAK and SPRUCE, black forest style.



The Advantages of RÄUCHER GOLD **Wood Chips and Friction Logs**

Very smoke active Shorter smoking times Consistent quality **Dust free** Wide choice of product types Highly dried **Excellent smoldering performance**



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DORIT DFT is a world renowned company producing Pickle injectors, tenderizers, brine mixing tanks, combi net presses and massagers.

The DORIT injectors range from 12 needle right up to 364 needle multi headed machines. The unique design of the dorit injectors provide an even injection rate of brine through an ideal needle pattern, appropriate injection and brine filtration ensures the possibility of the injection from all kinds of brine with different viscosities. The design of the dorit injectors make them user friendly in operation, maintenance and cleaning.



- Channel width 270mm
- Centrifugal pump 95 litre/minute
- Maximum product height 200mm
- 24 single needles 4.5diameter
- 60% injection rate in one pass
- Optional 88 knife tenderizing head







DORIT massagers range from the 20 litre bench top model right through to the 9000 litre continues vacuum tumbler.

The 34 models in the range cater for all needs including jacketed glycol cooled, nitrogen injected, carbon dioxide injected and tipping models.

Vacuum Tumbler VV-2-300

- 650litre drum
- 300kg capacity including brine
- 2 speed settings
- Automatic discharge
- 21m3/hour vacuum pump
- Powerful multistage motor with v-belt drive

MAJA flake ice is created using a deep frozen metal cylinder rotating in a water reservoir, with each rotation of the cylinder water freezes on the evaporation drum. The flakes of ice leave the drum as dry froze ice. This system of ice production was developed by MAJA and has proven its reliability for more than 4 decades.



The MAJA SA85S

is a compact flake ice machine with a integrated condensing unit and ice drawer for storing 50 kg of fresh ice.



Output 85kg/24hr

Water Consumption 0.085m3/24hr

Width x Depth x Height 700mm x 700mm x 1350mm

Power

0.59kw 230volts



MAJA ice flake machines range from outputs of 85kg/24hr up to 24000kg/24hr

Maja SA415S

with optional stand and ice cart



Output

450kg/24hr

Water Consumption

0.45 m3/24hr

Width x Depth x Height

776mm x 581mm x 957mm

Power

1.78 kw 400volts









GIESSER MESSER

For over 100 years Giesser Messer have been producing the highest quality knives for the meat and smallgoods industry.





Hand Brine Pump Needles

Fax: (07) 3393 6352

Düssen supply a large range of mincer plates, knives and replaceable inserts from **Lico**, **Speco** and **Pro-Cut**

PLATE Sizes Avaliable

#A 90 #32 series #42/52 series #56 series #R 70 #H 82 **#B 98** 90mm dia 100mm dia 130mm dia 153mm dia 70mm dia 82mm dia 98mm dia #C 106 #D 114 #E 130 #J 150 #GU 160 **#FW 200** #U 200 106mm dia 114mm dia 130mm dia 150mm dia 160mm dia 200mm dia 200mm dia

Hole Sizes Availiable 1.5mm | 2.0mm | 2.5mm | 3.0mm | 3.5mm | 4.0mm | 4.5mm | 5.0mm

[6.0mm] 8.0mm] 10.0mm] 13.0mm] 16.0mm] 20.0mm] 25.0mm] 30.0mm]

35.0mm 40.0mm Ho.0

Accessories

Replacement Parts Available





Butchers body belts and Tuffin butcher belt available in red or black and in 3 different sizes



U-SAFE Mesh Gloves available in 4 sizes



MY-KIT Knife Pouches easily cleaned and built to last



Bear Sharpening Stones



Other lengths and teeth sizes available upon request





Worm Pins

ATLANTA BAND SAW BLADES

BRAND	SIZE IMPERIAL &	METRIC	CODE
Thompson MK6 - MK3 - 400	10'-91/2" x 5/8" x 0.22' x 3tpi	[3600mm]	200-0006
Thompson 350	8'-53/4" x 5/8" x 0.22' x 3tpi	[2570mm]	200-0001
HT Barnes MK1 Blade master	11'-93/4" x 1/2 x0.22' x 3tpi	[3600mm]	200-0011
HT Barnes Stainless Steel Junior	9' -5" x 1/2" x 0.22' x 3tpi	[2875mm]	200-0016
HT Barnes MK1/ HYG senior/ Challenge	12'-6" x 1/2" x 0.22 x 3tpi	[3810mm]	200-0021
Kolbe K310, K310S, K330, K330S	8" - 2" x 5/8" x .022 x 3 tpi	[2490mm]	200-0026



At Düssen we are not biased, we repair all brands of process machines:

Thompson, Hall, H.T. Barnes, Reichman, Nolex, AEW, Bastra, Autotherm, Berkel, Bizerba, Boss, Henkelman, Henkovac, Intervac, Challenge, Dadaux, Dorit, EFA, Expro Wolf, Fessman, Fomaco, Garos, Grasselli, Grote, Gunther, Handtman, Henneken, Holac, VC999 Injectstar, Jugema, Kerres, Kilia, Kolbe, Komet, Kramer & Grebe, Laska, Lutetia, Mado, Mainca, Maja, Maurer, Nowicki Metalquimia, Multivac, Nock, Omas, Poly Clip, Reich, Rex, Ross, Ruhle, Roser, Schoder, Stephan, Talso, Techno Trip, Tipper Tie, Treif, Townsend, Turbovac, Vac Star, Web-o-matic, Weber, K&G Wetter, Globus, Brice.

Just to name a few.

At Düssen we also manufacture and fabricate:-

- Stainless Steel Benches
- Stainless Steel Trolleys
- Stainless Steel Racks

And with our complete machine shop we can machine up most parts which are no longer available.