



# PRODUCT RANGE



Economic efficiency

Modularity to the finest detail

The original - patented

2 system sizes - 28 and 16

3 products ranges for every need

**Invest into the Future -  
5 Benefits of the Demmeler  
Clamping System**





# 1. WELDING FIXTURES ARE A THING OF THE PAST - THE FUTURE BELONGS TO 3D ECONOMICAL CLAMPING SYSTEMS

## No more fixture construction of yesterday



Does your state-of-the art company also have certain production areas where it seems as though technology had almost come to a standstill?

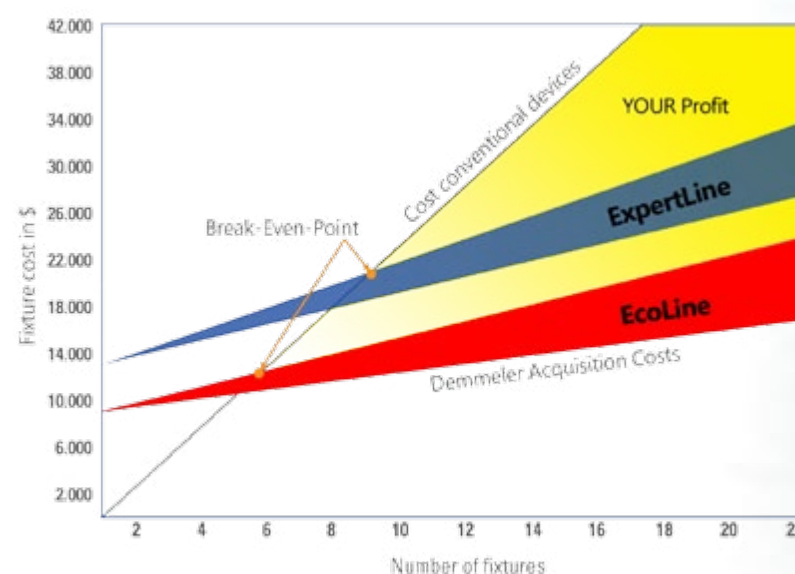
Then you have come to the right place at Demmeler! We offer you qualified advice in addition – FREE OF CHARGE!

## Your ROI can be achieved faster than you think!

Investments must pay off!

With Demmeler 3D clamping systems, you not only achieve your return on investment very quickly but also increase your productivity.

Do your own calculation and check your equipment including its storage, maintenance, preparation before use times and equipping times.



Calculation example: Depending on application

## Original Demmeler 3D-Clamping system - Economical, flexible, patented, Proven!

The Universal 3D work bench and welding table can meet all horizontal and vertical requirements. Precisely, quickly and in no time at all, you can erect your system with these modular parts: machine housing, racks, frames, crossbars, brackets, railings, stairs, doors, control cabinets, metal cladding panelling etc. Conventional devices, elaborate and cost-intensive, are therefore

a thing of the past. This system, for every workpiece you process, allows you achieve quick, precise adjustment and fixing of the target dimensions. During the entire stapling and welding process, your individual are clamped at the corresponding surfaces or points and thus are in the best possible position.



Flexibility through state-of-the-art structure and grid system



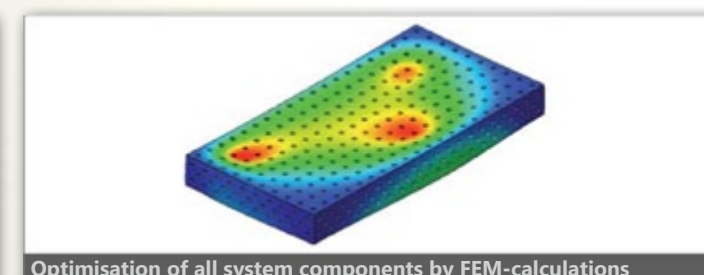
Simple reproducibility of clamping devices

The sturdy, high loading-bearing 3-D work and welding table is machined on all 5 sides with a regular hole grid pattern. As a result, all workpieces can be infinitely positioned and clamped by the appropriate clamping components of the system using the patented positioning and clamping bolts on the complete 3-D work and welding table.

Several 3-D tables can be connected directly together on any of the 5 sides or spacers. This modular system fulfils a versatile function: Place, fasten and clamp. By means of CAD, reproducible virtual jigs can be very comfortably set up already in the planning process.



Accuracy down to the smallest detail!



Optimisation of all system components by FEM-calculations

3D coordinate measuring machines, laser measuring systems and optical test equipment are used for this purpose to ensure the high precision requirements of the products.

The 3D workbench and welding table only needs a light coating of antispatter agent or spray once a day for additional protection, to make it insensitive to dirt, scale, spatter and sand. Proven technology in practice, many times over.



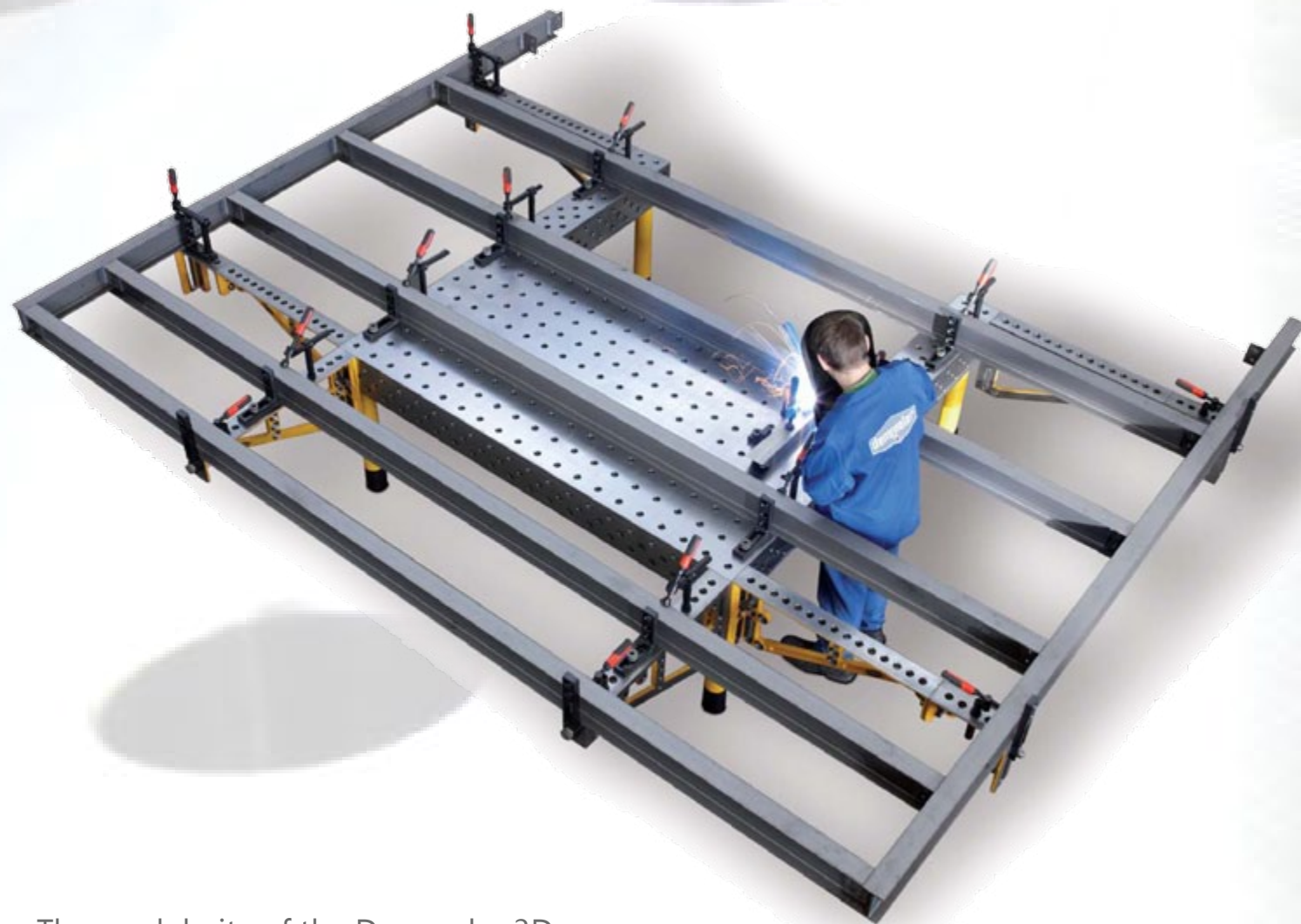
Robust table surface

# BEATING THE REST - WITH THE ORIGINAL 3D CONCEPTS



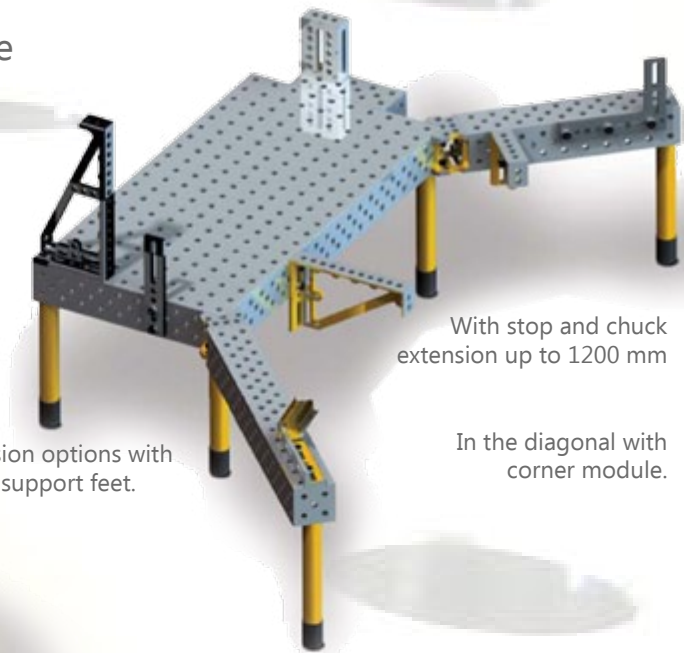
## 2. COST-EFFICIENT START - EFFICIENT AND MODULAR ENLARGEMENT

Modular down to detail!



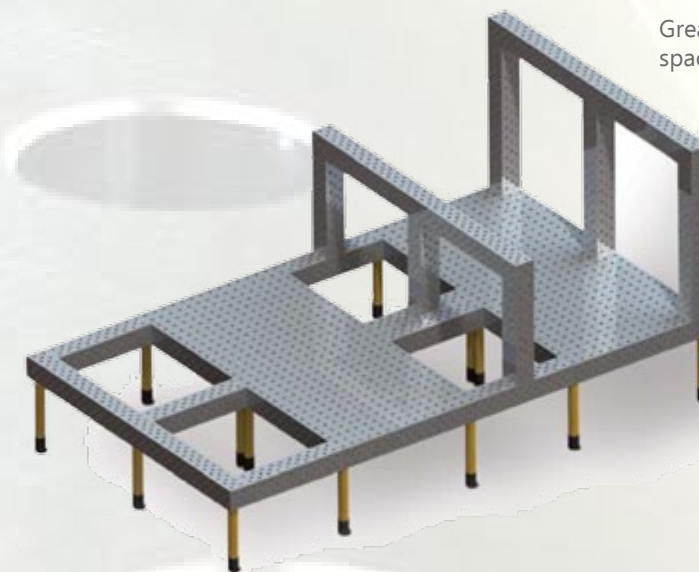
The modularity of the Demmeler 3D clamping system allows you to start with a small welding table but still clamp XXL workpieces in the future.

You can arbitrarily extend your 3D welding table in all directions through the modular design.

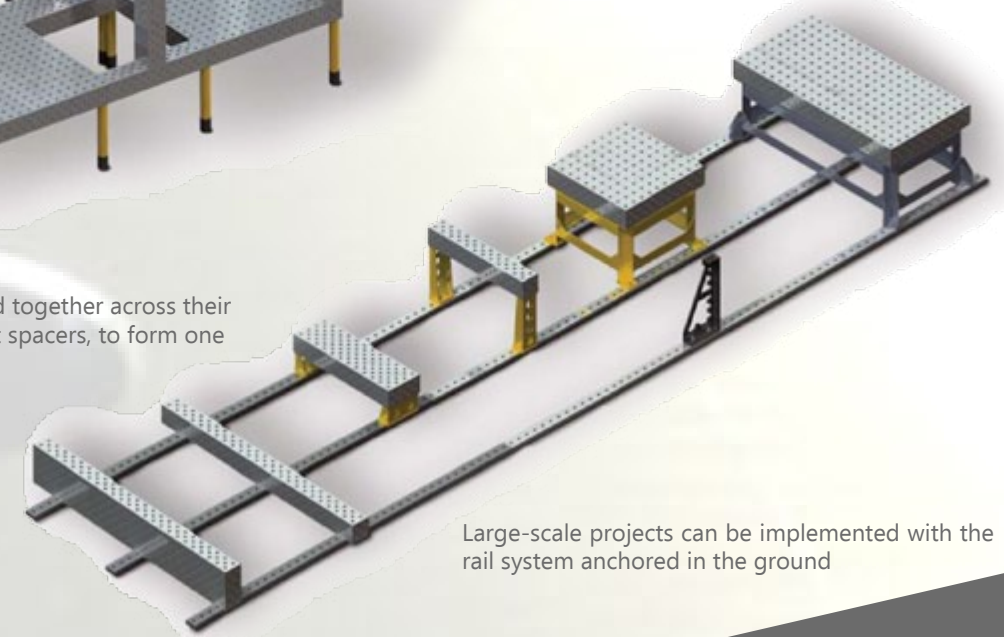


Great extension options with spacers and support feet.

In the diagonal with corner module.



Several tables can be connected together across their length or width, with or without spacers, to form one large plate.



Large-scale projects can be implemented with the rail system anchored in the ground

**INGENIOUSLY SIMPLE - SIMPLY INGENIOUS!**



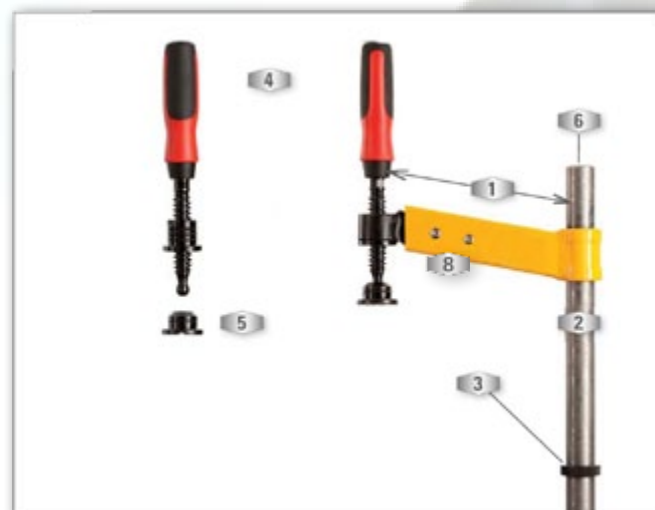
### 3. THE ORIGINAL - OFTEN IMITATED BUT NEVER DUPLICATED PATENTED QUALITY

### 4. SYSTEM SIZES 28 AND 16 - FOR INDIVIDUAL DEMANDS



#### Your benefits:

- 1 Double hex key drive allowing maximum accessibility
- 2 Ergonomically knurled bolt head for fast one-hand operation
- 3 Large clamp range, 5 Tonne clamp force, 25 Tonne shear force
- 4 High quality, through hardened steel, high precision ground finish
- 5 Double O-Rings prevent simultaneous rotation when tightening and at the same time cleaning the system bores.
- 6 5 clamping balls, which are mechanically secured against falling out!
- 7 Ergonomically designed allowing for multi-bolt corner interaction
- 8 Plus lifetime warranty!



#### Your benefits:

- 1 Workpiece clamping true to position and location through adjustable spring loaded compensation
- 2 Tension tube can be replaced quickly, available in different lengths
- 3 With adjustment ring for height fixing
- 4 Handle type can be changed e.g. Hex, Tee, Toggle or pneumatic cylinder.
- 5 Foot pad can be exchanged. e.g. Stainless Steel, Plastic or Steel
- 6 Accepted by any Demmeler system bore (self-clamping effect)
- 7 Modular in construction
- 8 Extendable, Retractable, 2 Position Clamping Range
- 9 Plus lifetime warranty!



#### Your benefits:

- 1 Bessey handle with a special surface and rubberised inserts for rich and non-slip grip!
- 2 Additional handle types can be exchanged e.g. Hex, Tee, Toggle or Pneumatic cylinder
- 3 Modularity down to detail: The Demmeler clamping bush can be used in any system bore. This allows for multiple clamping options in a few simple steps!
- 4 Clamping handle can be tilted up to 15° at full power allowing enough room for welding!
- 5 Foot pad can be exchanged and also be used in system bores as workpiece support, workpiece stop or small "V" block
- 6 Graphite impregnated spindle for maintenance free durability

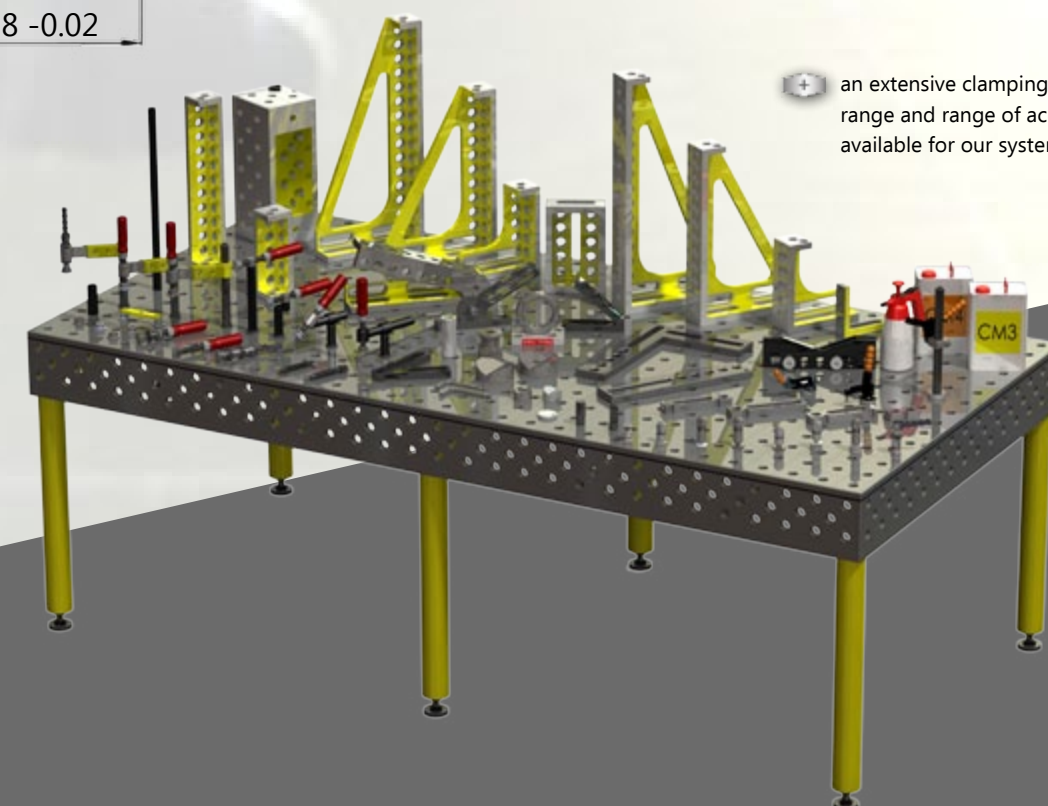
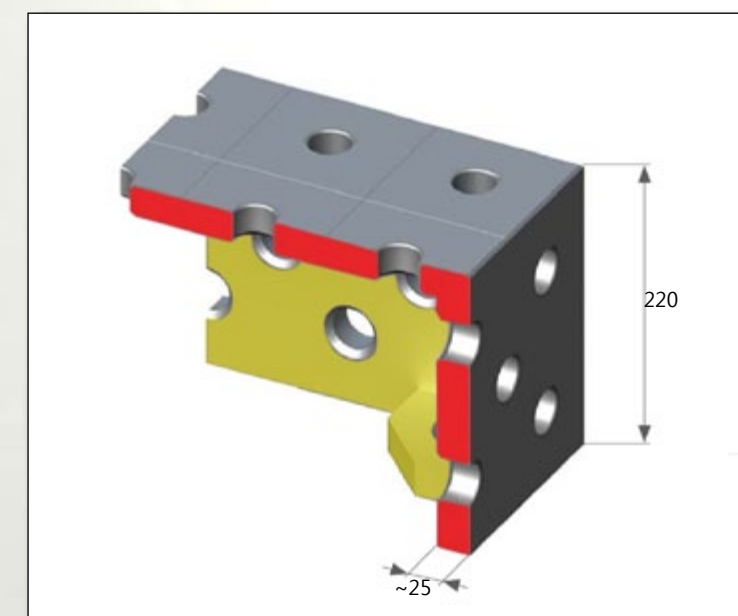
Our preferred system size 28 – for everyday and large weldments



- ✚ Bores Ø 28
- ✚ Grid 100 x 100 mm
- ✚ Bore spacing 100 mm
- ✚ Table leg height 200 mm
- ✚ Material thickness approx. 25 mm
- ✚ For everyday and heavy weldments

**28**

In our product tables, please take note of the system size information



✚ an extensive clamping product range and range of accessories is available for our system size 28

# 5. EXPERTLINE & ECOLINE WELDING TABLES TABLES FOR EVERY NEED


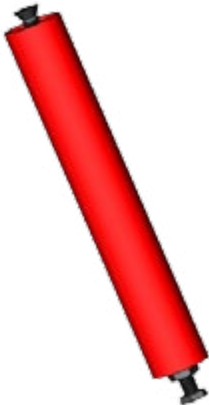










## ExpertLine D28



- .. sound technology for everyday use!
- 100 mm precision scaling grid lines
- With high fins and strongly ribbed, hence high intrinsic stability
- Leg sleeves at the table feet prevent snagging of welding cables and protect the thread from dirt
- Stable M30 x 2 threaded foot spindle ± 30 mm adjustable
- Modularly expandable in all five directions over the entire length, width and height
- Without metre rule, it is possible to very quickly erect accurate clamping jigs
- Various foot type versions available

## For every purpose we have the appropriate under table supporting solution







					
	Without	Foot Pad	EcoLine leg	Standard with foot disc	Heavy duty wheels
D28					
E28					

## EcoLine E28

- ... this is how inexpensive starting off can be!
- Modular system design
- Upward compatible with other Demmeler product lines
- Quality accessories available
- Modularly expandable in all five directions over the entire length, width and height
- Low-cost 3D welding tables and tools for beginners
- Table foot versions: Standard foot, heavy duty wheels



## Special solutions for under table supporting solution

			
	Connecting frame	Scissor-type lifting	Base rail
D28			
E28			

5 & 9 Hole patterned tables available on special requests





**Leussink Engineering has come a long way since Dutch migrant Carel Leussink and his wife Muriel established their engineering business in Wollongong in 1978.**

## Leussink Workshop



## Preface

Leussink Engineering now services clients around the world, and has partnerships with leading European companies to promote and service their industrial products and technologies in Australia.

The Leussink client data base contains names from around the globe where Leussink has assisted with engineering services including refurbishing heavy industrial equipment, supply and machining of critical plant components as well as the construction of specialised items such as underground mining vehicles and coal-cutting equipment for longwall miners.

The company even has a portable milling machine that it can load into a shipping container and take anywhere in the world. It has taken the machine to structural rolling mills in Whyalla, South Australia, as well as hot strip mills in Italy and Romania - where the Leussink Engineering team have completed mill window repairs now considered world's best practice. Leussink Engineering is now managed by Carel and Muriel's sons Ray, Kenley and Jason. With 45 employees in a state-of-the-art facility in Unanderra, it is one of the real success stories in the Illawarra's manufacturing sector having developed specialised skills that are in high demand, especially in Australia's booming resources sector.

A joint venture established some 10 years ago with Corts Engineering, from Remscheid in Germany, has seen Leussink at the forefront of rolling mill technologies worldwide.

Leussink also has a partnership with the German Demmeler Corporation for the construction of innovative industrial work tables called the Demmeler Modular Clamping System.

Ray and Jason Leussink say while the reasons for the company's location in Wollongong are historic, it still makes perfect sense. "BlueScope Steel is a big client, and the Leussink facility is also close to the surrounding mines and mine service suppliers. Sydney Airport is only an hour up the road so we can also service clients anywhere in Australia, or our clients in Singapore, Thailand, Malaysia and New Zealand."

Jason said the company had developed a strong partnership with the local TAFE and high schools, and has a full-time trainer to look after its trainee/apprenticeship program for its workforce of mainly fitter/machinists.

"Our trainees are our future, and Leussink put a lot into our training programs. Leussink train our people we have very specialised and highly technical equipment that involves a lot of IT skills," he said. Our equipment is attracting people back to the trade, because they enjoy the technical involvement and developing hands-on IT skills." Jason said the stimulating work environment and the fact that the company's staff enjoyed Wollongong's coastal lifestyle assisted Leussink to maintain very high staff retention.

Trade and Investment NSW has assisted Leussink Engineering to explore export opportunities.

ADVANTAGE  
WOLLONGONG



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