



WFL EXTENDED SOLUTIONS

RELEASE YOUR MANUFACTURING POTENTIAL

WFL EXTENDED SOLUTIONS
[DE] [EN] [FR] [IT] [ES] [BR] [RU] [CN] [JP]

CLAMP ONCE – MACHINE COMPLETE

The Perfect Match

Your MILLTURN is a premium piece of equipment which can solve the most complex machining tasks on the market. It is our outmost goal that you get the maximum return on investment from your purchase. This brochure presents an overview of how WFL Millturn Technologies can help you to become even more successful.

Together we can reach, or even exceed your goals!



WFL Manufacturing Solutions
WFL Retro-fit Solutions
Stefan Elsigan

Managing Director After Market Sales
Kenneth Sundberg



WFL Customer Services
Wolfgang Mitterlehner

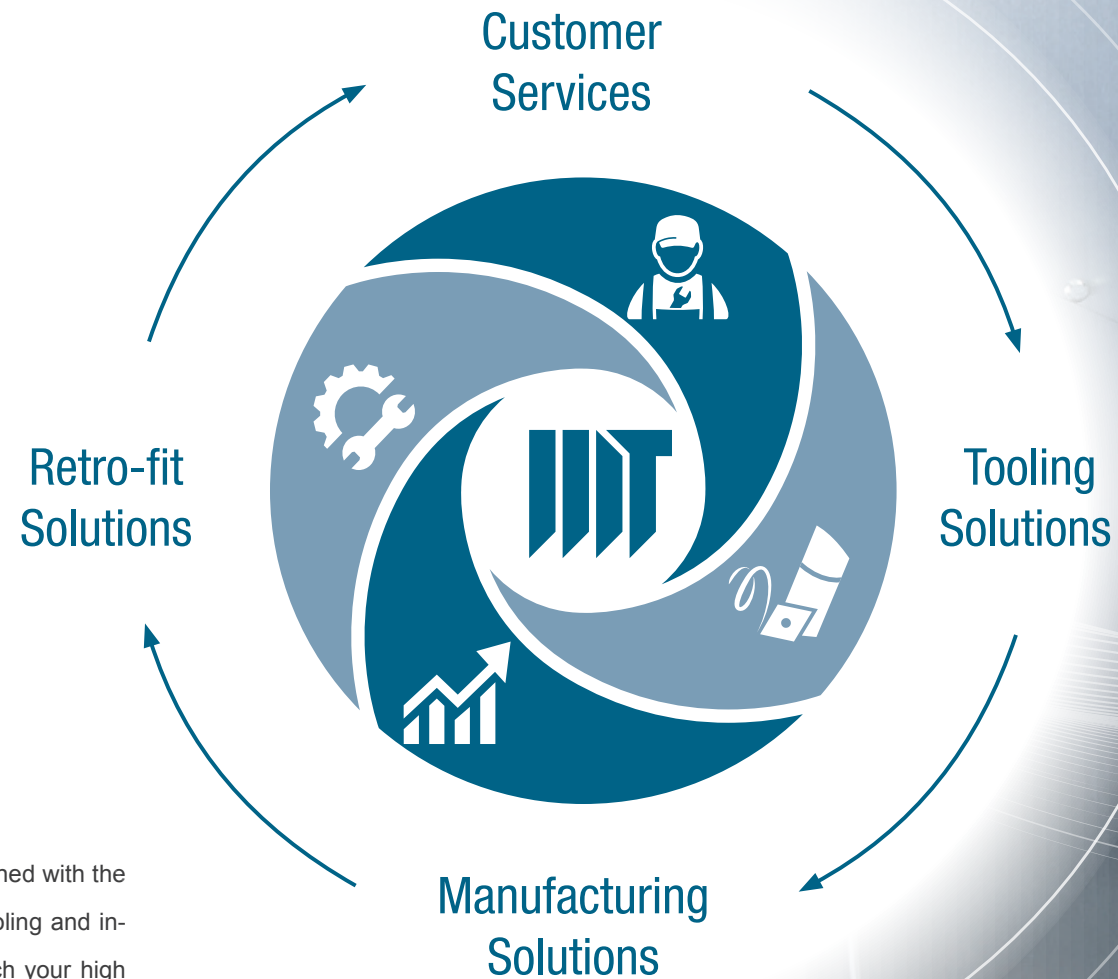
WFL Tooling Solutions
Manfred Baumgartner

- Shorter Lead Times
- Digital Manufacturing
- Increased Productivity
- Higher Flexibility
- Qualified & Trained Operators
- Cost Efficiency



The Extended Offer

WFL and its MILLTURNS are pioneering in the area of manufacturing complex components for more than 20 years. Thanks to continuous developments, WFL delivers the highest flexibility and performance for complete machining of centers in the market.



The unique MILLTURN concept combined with the extensive WFL know-how, adapted tooling and innovative software enables you to reach your high set goals. In addition, our team of top level experts have all the answers to your potential questions.



WFL Extended Solutions



Customer Services and Spare Parts Capability

The highly skilled team of service engineers together with our comprehensive standard offer of spare parts will keep your valuable MILLTURN running at a minimum level of disturbance.

Tooling Solutions

Tools for metal cutting are uniquely developed to enhance the performance of the MILLTURNS and will increase productivity. Benefit from our innovative developments and take your production to new levels.



Manufacturing Solutions

For specific production support, one of our experienced application engineers will help you in all aspects of manufacturing. We offer a fast support by optimising your production workflow for specific machining tasks. Support can be offered from our head-quarters in Austria, but can also be provided on-site. This is particularly interesting when starting new complete processing or when changing your range of produced parts. An example of production support includes: detailed cutting tool development, programmer support, introduction of software and automation or the run-in of new workpieces and methods. A technician will ensure optimal processing times, production workflows (leadtime) and optimal workpiece quality on-site.

If you have questions about the feasibility of a new workpiece or any necessary machine modification please consult our experienced technicians. Our decades of experience will help you to save time and money.



Retro-fit Solutions

Our range of pre-owned MILLTURN complete machining centres allows us to offer you an interesting alternative to a new machine. The pre-owned machines are subject to a general overhaul, cleaned and thoroughly tested in terms of accuracy and functionality.



Our Competences are Our People

Clamp once – Machine complete. We are a manufacturing engineering company that time over time realizes the most challenging tasks in our industry.

Application Engineering



„We support the process of your machine optimization and customization until the workflow meets your expectations.“

Hotline Service Technician



„In the case that you need a fast reaction - we can provide assistance within minutes via phone and online connection.“



Service Technician



„For us the main issue is that we can deliver a comprehensive service – wherever in the world it might be.“

Service Technician



„Worldwide services means to deliver not only a working machine but also customer satisfaction as fast as possible.“

CRANKSHAFT

PLASTIC

HYDRAULIC & PNEUMATICS

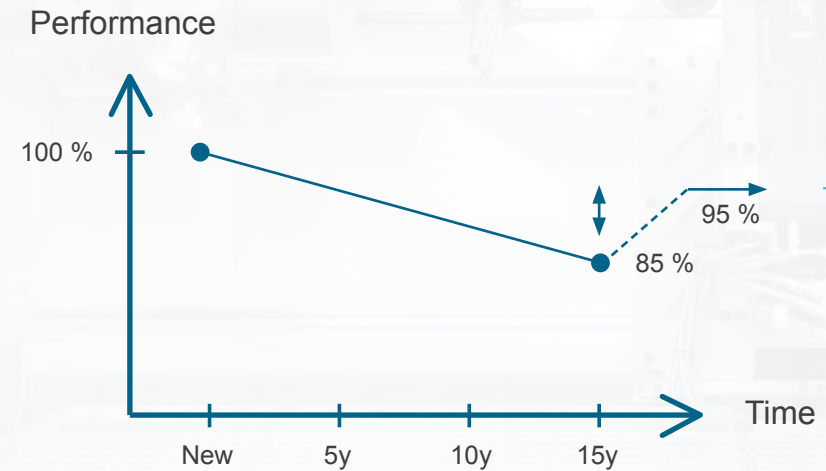
PRINT

Product Lifecycle and Total Cost of Ownership

A purchased machinery or equipment will lose in relative performance over the years. With the WFL upgrade you will dramatically improve the performance and extend the life of your machine. This will happen at significant lower cost compared to the costs of a new machine. With the complete WFL offer and the highly skilled staff we guarantee that you will get the most out of your equipment. In other words, together we will release your total manufacturing potential!

Integrated Offering – Holistic View

Manufacturing will for sure become even more complex in the future. WFL has the competence to react quickly and support you creating the future of manufacturing. We are proud of the fact that we have the skills covering the complete manufacturing process. By sharing our knowledge with our customers we will continue to develop the manufacturing industry.



Total Life Cycle

1. Pre-invest

2. Production Planning

3. Startup Operations

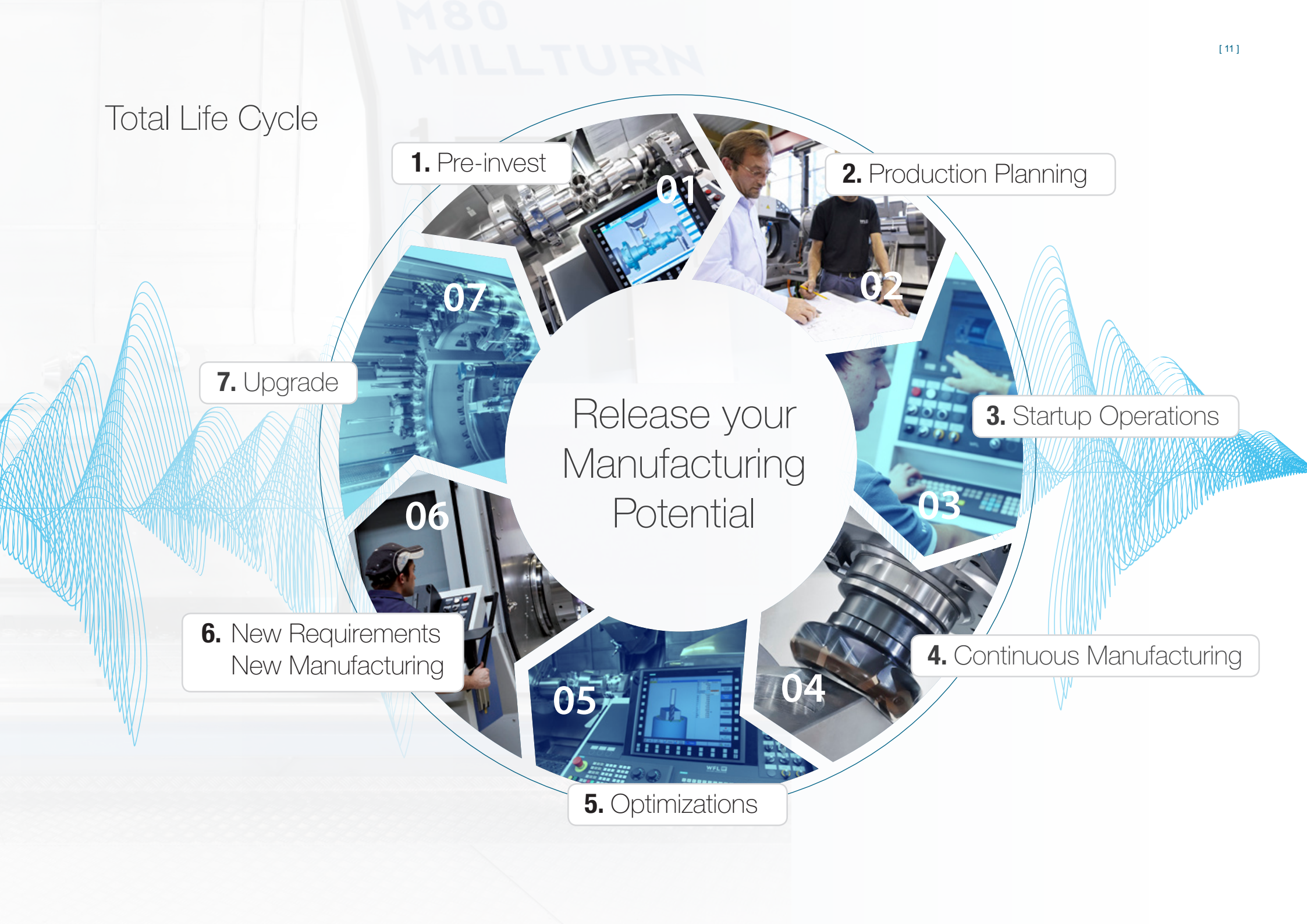
4. Continuous Manufacturing

5. Optimizations

**6. New Requirements
New Manufacturing**

7. Upgrade

Release your
Manufacturing
Potential



WFL Customer Services

24h-Service-Hotline – Professional Support

The WFL service hotline provides 24/5 support and is staffed exclusively by experienced service experts. We guarantee that a competent contact person will be there to help solve your issue at the very first contact.

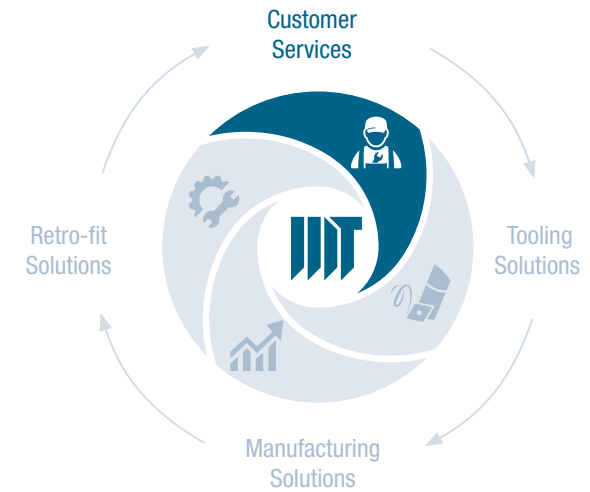
Service hotline: +43-732-6913-5000 / Fax: +43-732-6913-6525

Email: hotline@wfl.at (service) or spares@wfl.at (supply of spare parts)

Teleservice: 100 Mbit/s – Faster than any Technician

Teleservice enables our service technicians to communicate with your MILLTURN via the internet. It is possible to determine the machine state, query messages displayed, edit programmes and perform software updates. This means that any problem can be pinpointed as quickly as possible and be resolved online. Precise diagnostics via Teleservice means that any deployment of service technicians on-site can be optimally prepared in advance.

In order to use Teleservice, the corresponding software must be installed on the machine. The encrypted connection is established online and via proxy server. If the machine is still under warranty (standard warranty or warranty extension agreement), the free use of Teleservice is included.



Spare Parts

We guarantee the fastest possible delivery of genuine spare parts for your MILLTURN. Enabled through our extensive network efficient warehouse management. Our competent service technicians will help you to find the right spare parts. Consequently potential downtimes can be reduced to a minimum.

- Genuine WFL spare parts guarantee maximum product safety and accuracy
- Spare parts warehouses worldwide
- Maximum spare parts availability for the fastest possible delivery
- Maximum availability of spare parts for older MILLTURNS
- Worldwide express dispatch (DHL, GLS, etc.)
- Easy to order via our service hotline or by email

Repairs and Maintenance

Whether regular maintenance, specific repair works or a general overhaul, we will make your MILLTURN run again in the shortest time possible. Based on detailed troubleshooting and error analysis, efficient maintenance is planned and professionally performed by a WFL service technician. The objective is to achieve a perfect production solution.



WFL Tooling Solutions

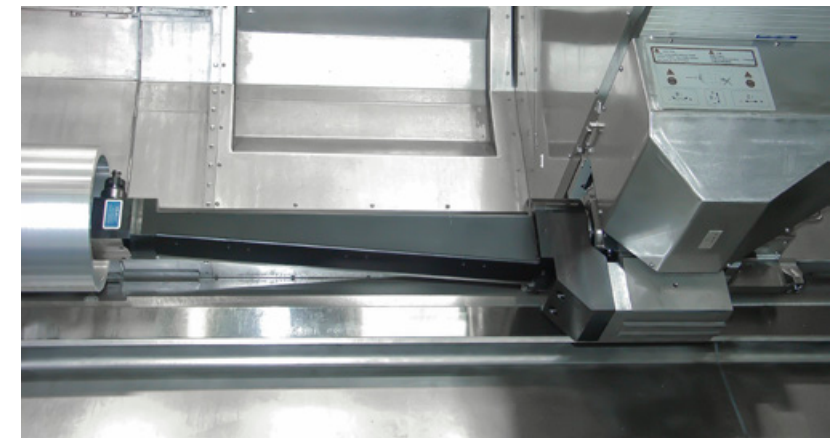
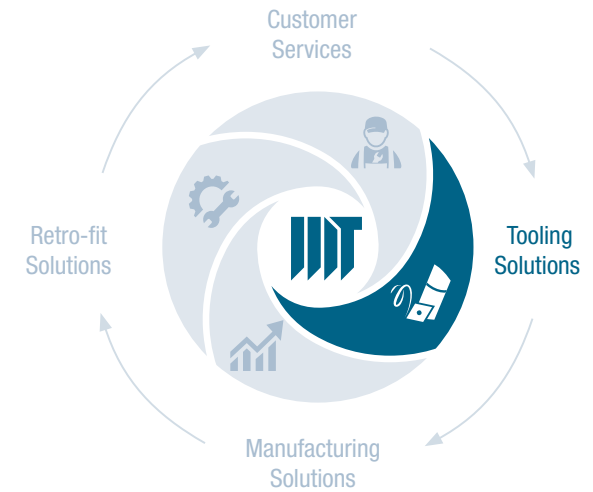
The Decisive Advantage – Tooling Solutions

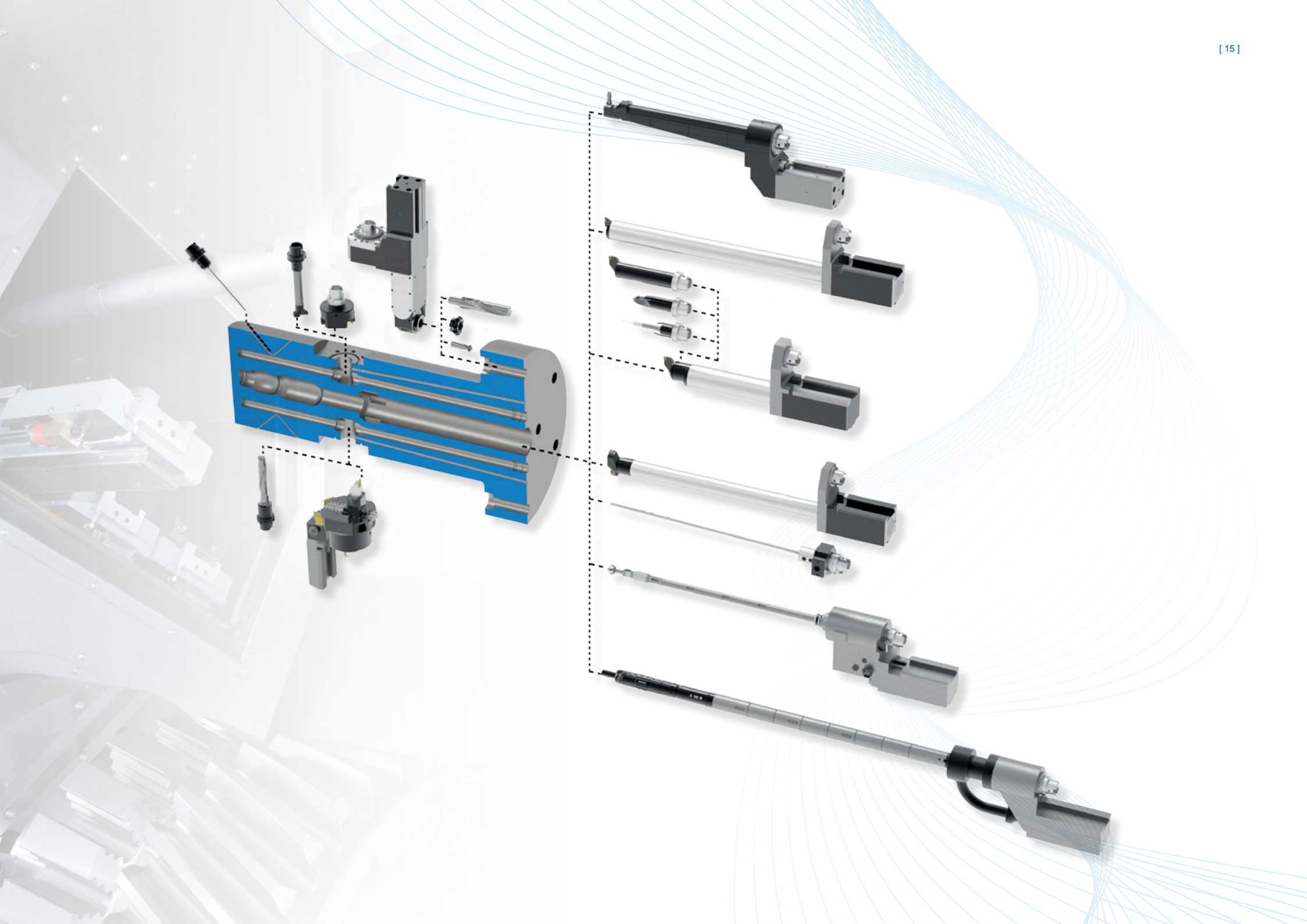
Specifically engineered for metal cutting and designed to guarantee an increase in production. WFL Tooling Solutions have significant savings potential through an increase of productivity, high precision and durability.

The continuous development of performance enhancing tools is a continuous process for the machining experts and engineers. Explore the benefit of WFL Tooling Solutions and add value to your production.

Advantages:

- Quick and easy installations on your MILLTURN
- Increase of productivity, flexibility and quality
- Reduced costs of your machining process
- Highly customized solutions to fulfil your needs





WFL Manufacturing Solutions

Our manufacturing engineering solutions are available through our highly competent technology team. Together with you, we will release your manufacturing potential at the lowest possible cost.

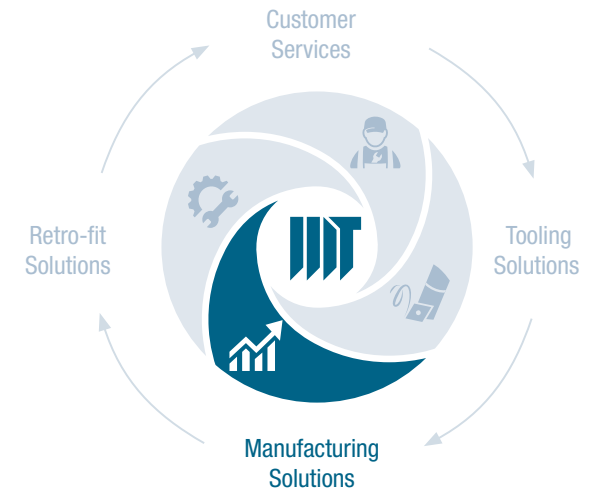
Training Support for Optimized Machine Utilization

The safe and professional handling of your MILLTURN increases operating safety, productivity and technical availability of the machine. Benefit from our expert knowledge and use our wide range of training.

Our specialists will give your employees the required technical knowledge to run your MILLTURN optimally. In principle, our customised training schemes take place at the WFL headquarters in Linz. Upon request, we can also perform various training sessions at your site.

- Training for motivated and well-educated employees
- Training contents tailored to your machine configuration
- Training directly on the MILLTURN
- Customised client training also possible (for customer-specific, production technical challenges)

- Practice-oriented technical knowledge
- Experienced, in-house trainers
- Exploit the full potential of your machine
- Minimise operating errors
- Increase productivity





Software and Digital Machining

Sofisticated software and machining cycles have been developed to make your production more efficient and to eliminate error. A high ambition from us is to make complex machining tasks easier. One important factor is user-friendliness. Software can in many cases be retro-fitted and enhance the performance of your MILLTURN. Please consult us for guidance.



- Visualization of all programming steps for error detection
- Improved quality of NC programs with respect to efficiency and machine safety
- Shorter set-up times on the machine, thanks to prior simulation
- The machine operator receives a collision tested, finished program
- Easy to programme
- All 3D geometry data (tools, clamping devices and workpieces) can be used for both Crash Guard and Crash Guard Studio.
- Software maintenance contract available
- Full-featured 3D workspace with collision monitoring



- Programming directly on the machine possible.
- Efficient and easy creation of NC programs.
- A cost efficient alternative to big brother „CrashGuard Studio“
- MillturnPro available in controlpanel-version and additionally for PC
- Allows editing of NC programs created in CrashGuard Studio to be edited directly on the control panel in the interactive screenform
- No maintenance contract
- No 3D workspace



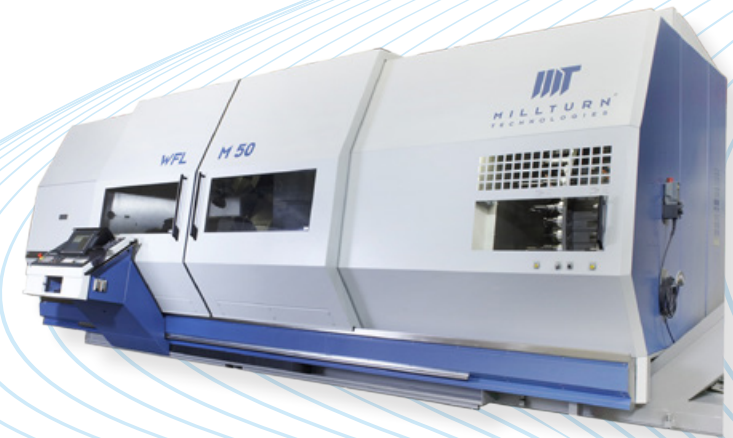
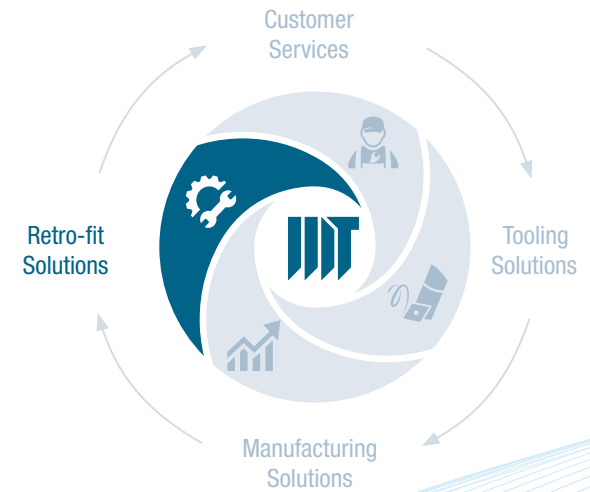
- Effective protection against collisions in automatic and manual operation
- Collision-free operation even after the program interrupts and manual intervention
- At any time, the CNC system is aware of current positions of axes and speeds, PLC signals are also taken into account
- Current settings of the control such as zero offsets, coordinate transformation, etc. are taken into account
- Reaction time = 0 (close to real time)
- All 3D geometry data (tools, clamping devices and workpieces) can be used for both Crash Guard and Crash Guard Studio

WFL Retro-fit Solutions

WFL is Your Partner for All eventualities

With our wide range of revitalized MILLTURNS, we can offer interesting alternatives to new machines. The revitalization process includes a general overhaul, technology updates and comprehensive accuracy and functionality tests. If all checks are passed the machine is certified with the label "CERTIFIED".

- Purchase and sale of pre-owned machines
- Help in purchasing and evaluating pre-owned machines
- Professional repairs by WFL
- Installation, commissioning and instructions on-site by WFL
- Low procurement costs compared with a new machine
- Specific financing options



Machine Total Life-Cycle Support



4. Providing the Customized Solutions

WFL Services – Fast. Comprehensive. Professional.



Service hotline:

Phone: +43-732-6913-5000
Email: hotline@wfl.at (service)
spares@wfl.at (supply of spare parts)
Fax: +43-732-6913-6525

Office After Market Sales:

Phone: +43-732-6913-0
Email: ams@wfl.at