

ALPINE METAL TECH

A COMPANY OF MONTANA TECH COMPONENTS AG

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"Ongoing innovation has made Alpine Metal Tech a global leader for special machines in the Steel, Railway, Automotive and Aerospace Industry. As a one-stop supplier, Alpine Metal Tech is in a position to offer comprehensive solutions and services under the leading brands NUMTEC, GEGA, KNORR, MAKRA, AMAKON, MAGNEMAG, SIMULATION, and INTERMATO."

DR. CHRISTIAN PRESLMAYR, CEO Alpine Metal Tech Group



DDR. MICHAEL TOJNER Founder & CEO of Montana Tech Components AG

Setting up Montana Tech Components AG in 2006, we committed ourselves to line up "hidden champions" with an industrial growth plan for global competition. Our long-term goal is to turn them into world market leaders in their industries. Montana Tech Components AG is the proud owner of Alpine Metal Tech.

Since 2002 we have supported the development of Alpine Metal Tech from an Austrian niche market engineering company for steel identification to a one-stop solution provider for casting machine subsystems. Today Alpine Metal Tech operates globally with wellrespected and widely appreciated brands in the steel, railway, automotive and aerospace industry.

Alpine Metal Tech's goal is to offer innovative solutions with as few interfaces as possible. We will continue to invest in innovation to maintain our leading market position on a long-term, sustained, and customer-focused basis.





We may well be a world market leader, but we are not about to rest on our achievements. Instead, we will continue our success story by investing in our employees and in R&D. The targeted expansion of our product portfolio, together with comprehensive globalization strategies, will help us further expand our international leadership.

We will continue to expand our leading market position by pursuing In order to stay competitive, we continuously work on our cost a sustainable growth strategy focusing on organic opportunities base by implementing extensive modularization and standardizing through R&D as well as on targeted acquisitions. This strategy our products. All these efforts are supported and driven by a well is backed up by our global orientation on sales, engineering, applied improvement program. manufacturing and service centers in the key markets.

Top product quality achieved through the latest state-of-theart technology, innovative holistic solutions and the ability to provide local service earn us consistently high customer satisfaction ratings. Increased customer value is the key driving factor for all our strategic developments and measures. Innovative products, comprehensive, tailor-made package solutions and on-site services reinforce our growth strategy.



DR. CHRISTIAN PRESLMAYR CEO of Alpine Metal Tech Group

Since our employees are the basis of our success, we constantly invest in targeted and constructive employee development programs.



Company Profile

Alpine Metal Tech is a world leading company in the Steel, Railway, Automotive and Aerospace Industry.

Alpine Metal Tech develops, designs, manufactures and services the entire product portfolio worldwide in eleven locations. The Group consists of the brands NUMTEC, GEGA, KNORR, MAKRA, AMAKON, MAGNEMAG, SIMULATION and INTERMATO. For the Steel industry, Alpine Metal Tech offers systems for the fields of continuous casting, deburring, marking, torch cutting and scarfing as well as for identification and inspection. The Railway division completes the steel portfolio with its opto-electronic measuring and testing systems for rails, as well as high-performance CNC lathes for train wheel renewal and machining solutions of train axles.

In the Automotive sector, Alpine Metal Tech is a leading supplier of machines for production control and optimization together with CNC machining and quality assurance of aluminum wheels. These systems are available as complete automation solutions, but also as individual machines for integration into existing production tailored to customer needs.

fire aircraft training simulators for civil and military airports as well simulator for oil, gas and structural fire.

In times of Industry 4.0 and digitalization, Alpine Metal Tech offers industry independent automated solutions. Based on proven technologies, handling tasks will be fully robotized due to the combination of inhouse designed robotics, laser measurement and camera technology, to increase quality and efficiency.

The comprehensive Life Cycle Business Unit guarantees a fully customized service and maintenance along all stages of the product life cycle.

Within the group, the brands benefit from synergies created, which are passed on as customer benefits. In the global sales and service network, service and maintenance concepts can be individually





Manufacturing and Services

Alpine Metal Tech has a global network of sales, engineering, production and service facilities as well as representation offices all over the world.



MAGNEMAG

KNORR MAGNEMAG SIMULATION

Management

Alpine Metal Tech has a centralized group management and a decentralized site management in order to guarantee the flexibility of the business areas. The know-how and commitment of the employees at Alpine Metal Tech's locations worldwide secure the satisfaction of the customers. The employees embody the Alpine Metal Tech philosophy of unmatched expertise and individual solutions.



GROUP MANAGEMENT

Dr. Christian Preslmayr CEO Mag. Dietmar Zieher CFO

ADVISORY COMMITTEE

DDr. Michael Tojner Kai Arndt, MBA Dr. Michael Pistauer Mag. Herbert Roth

MANAGEMENT TEAM INTERNATIONAL

Alpine Metal Tech Austria

IMT Intermato

Alpine Metal Tech Germany

Alpine Metal Tech UK

Alpine Metal Tech North America

Alpine Metal Tech Brazil

Alpine Metal Tech Taicang

Dr. Christian Preslmayr Mag. Dietmar Zieher

Giovanni Ambrogio Fiorella Tossin

Thorsten Quadflieg Michael Kissel

Steve Fahey Byron Mayne

Justin Willott Byron Mayne

Marcelo Oliveira Mariana Rodrigues

Dr. Christian Preslmayr Lili Zhang



Competences

The Alpine Metal Tech Group offers a wide range of technology solutions in various different industries. Our aspiration for technological leadership and the highest product quality requires continuous improvement and development of our products and a permanent search for the products of tomorrow.

PREMIUM SUPPLIER WITH ONE-STOP SOLUTIONS

As a world leading full-range provider, Alpine Metal Tech specifically updates and expands the product portfolio, which is achieved through customized one-stop solutions. One example of this is the Alpine Metal Tech CCM package, which can be tailored to customer needs through minimized interfaces and optimal use of synergy effects.

R&D COMPETENCES

Alpine Metal Tech's continuous research & development activities focus on customer needs to develop state-of-the-art solutions. Our R&D focuses on creating new technological standards for product identification and inspection, processing as well as production and measurement systems. We work closely with all our customers to obtain direct feedback from the market and consequently ensure our ability to offer customer focused R&D for the steel, railway, automotive and aerospace industry.

GLOBAL SALES NETWORK

Alpine Metal Tech has a worldwide sales network and is represented by its own sales subsidiaries and by partners and sales representatives in more than 50 countries. The group is committed to continue its investments in expanding and establishing its local presence in key markets.

GLOBAL SERVICE NETWORK

Alpine Metal Tech has developed a worldwide concept for customer focused lifecycle services to support the reliability and functionality of all machines in operation. Our international service network allows us to compete as a global player supplying standardized products and services to meet the needs of our increasingly multinational customers.

ALPINE METAL TECH AT A GLANCE

- Latest state-of-the-art technology
- Comprehensive tailor-made package solutions
- Service center close to the customer
- Engineering and manufacturing centers in Europe ensure highest quality
- Continuous research and development in response to customer needs

Industrial Growth

Our goal is to use our enlarged product portfolio to structure comprehensive solution packages according to customer needs. The highest quality, innovation and customer satisfaction are the driving force behind all activities. In-house production facilities, continuous research and development, local service and sales offices ensure that we can reliably fulfill these commitments in all of our markets.

OUR STRATEGY

To be the technology leader and preferred partner by providing Our company strategy is based on growth both, organically and by further acquisitions. We strive for technology leadership superior products and solutions in an attractive, safe work and excellence in everything we do. As a pioneer, setting new environment. technologies and standards, we want to deliver world class and value-adding machinery, equipment, as well as services that have OUR MISSION clear and direct benefit for our customers. To ensure that our strategy becomes true, our focus will be in three areas: first, we will Earn the trust of our customers through technically superior continually work on establishing and deepening the relationship products, solutions and services; Earn the trust of our employees with our global customers at all levels. Second, we will build on through honesty, fairness and integrity; Earn the trust of our our knowledge to further strengthen our technological leadership stakeholders through consistently attractive financial results. in our fields. And third, we will continue to work on excellence in all areas of our company.

"Knowing is not enough, we must apply. Willing is not enough, we must do."

"That's the philosophy of our continued and persistent growth strategy."

OUR VISION

JOHANN WOLFGANG VON GOETHE

DR. CHRISTIAN PRESLMAYR, CEO Alpine Metal Tech Group

Product Portfolio





STEEL

CONTINUOUS CASTING

CONDITIONING

PLATE PRODUCTION

COIL PRODUCTION

RAIL TECHNOLOGY

CNC LATHES

MATERIAL HANDLING

ALPINE METAL TECH
GEGA
ALPINE METAL TECH
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AUTOMOTIVE

PRODUCTION

CNC LATHES

TESTING / MEASURING / DEBURRING

WORKHOLDING

ADVANCED TECHNOLOGY

- Automation

- Robotics

- Laser / Camera Applications

- Digitalization





AEROSPACE

AIRCRAFT FIRE SIMULATORS

STRUCTURAL FIRE SIMULATORS

OIL AND GAS FIRE SIMULATORS

SPECIAL APPLICATIONS





LIFE CYCLE BUSINESS

ORIGINAL SPARE PARTS

CONSUMABLES

SERVICE AND INSPECTION

REVAMP AND MODERNIZATION





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Steel

Alpine Metal Tech is a strong and competent partner and a leading provider in the field of special machinery and complete solutions for the steel and railway industry.



With our product portfolio for continuous casters and rolling mills, we support our customers in terms of quality and efficiency in steel production. Our solutions for the casting level, conditioning, product marking and tracking are worldwide successfully in use and are continuously being further developed. We also design and supply turnkey, fully automated system solutions for the nondestructive testing of rolled products. Alpine Metal Tech is the technology and market leader in the field of railway track testing.

CONTINUOUS CASTING AND CONDITIONING

Alpine Metal Tech's proven solutions for continuous casting plants and conditioning have been developed for the harsh steel mill environment. Our equipment is characterized by maximum availability, safety and quality. The powder feeders, shroud manipulators, torch cutting machines, deburrers and scarfing systems are available both as inline and offline solutions.

MARKING TECHNOLOGY

In the area of semi-finished products, such as slabs, blooms and billets, Alpine Metal Tech offers high-contrast and permanent marking solutions for the application of logos, codes or symbols. A wide variety of proven, high-resolution color markings based on the customer's request and the existing steel mill environment are provided for plates, tubes and other finished products.

IDENTIFICATION AND INSPECTION

The complete traceability of products has become a basic requirement in modern steel mills. Our strength lies in combined machines, consisting of a marking system with integrated optical detection and validation of the marking. These identification and inspection systems contain laser and camera technology which enable products to be tracked logistically and to identify their quality in the continuing production process. Alpine Metal Tech team is a strong partner to our customers throughout the product and plant lifecycle. Our expertise in consulting and engineering, commissioning and service is the key to sustainable project success.

In addition, CNC vertical lathes for machining train axles and

wheels complement the railway product portfolio. Our experienced

RAIL TECHNOLOGY

Alpine Metal Tech is the leading supplier of proven optoelectronic measuring and ultrasonic-based inspection systems for fully automated inspection of rails. Depending on the applicable standards, the required measuring stations, such as straightness measurement, profile measurement, eddy current testing and ultrasonic testing, are integrated into one customized inspection line and supplied as turnkey solutions.

CNC LATHES

The spectrum of CNC lathes in the railway sector ranges from manually loaded vertical lathes for train wheel renewal to fully automatic turnkey machining lines for train axles, which start with the forged part and end with the finished part. Vertical, large capacity carousel lathes are used as well in the aerospace and power generation sectors for the precise production of bearing parts and slide bushings.

MATERIAL HANDLING

In the field of material handling systems, Alpine Metal Tech is a notable turnkey-specialist and reliable partner for various industries. Our service ranges from planning and designing to the delivery and commissioning of complete conveyor systems or plant components. Our individual solutions can be found in numerous industries like the following: cement- and building industry, steel industry, power plants, waste processing, water treatment, wood industry, feed industry or chemical and fertilizer industry.



Automotive

Alpine Metal Tech is the world's leading supplier of systems for marking, processing, measuring and testing in the automotive industry as well as automation solutions in combination with inhouse developed laser and handling technology.



In close cooperation with the automotive industry and the leading vehicle wheel manufacturers, Alpine Metal Tech has developed wide range of measuring, testing and production machines that guarantee the quality and safety of the finished products. Top quality equipment optimizes the aluminium wheel manufacturing process and creates conditions for stable and efficient production with the lowest reject rates and highest product quality in the industry. Aluminum wheel producers benefit from automated production processes, improved quality control and minimized investment costs. During the manufacture of aluminum wheels, a

special cast parts coding process developed by Alpine Metal Tech is used. In this process, the unfinished parts are automatically guided through the entire production flow and directed to the various machining steps. New laser measuring techniques further increase productivity. Our special know-how in measuring casting parts is as well successfully applied to the measurement and deburring of engine parts.

PRODUCTION

Alpine Metal Tech GmbH supplies machines for the different production steps of aluminum wheels. Our products ensure safe process control by means of barcode or Data Matrix Code, enable customer-specific labeling, remove castings and sprue points, optimize productivity and quality, facilitate the work process by means of high-level automation and ensure quality before delivery.

CNC LATHES

The close cooperation with renowned customers combined with constant development results in INTERMATO lathes being the international benchmark. They stand for robustness and highest product quality with the fastest possible cycle times. The available range of machines starts with belt-driven, manually loaded lathes to directly driven, fully automatically loaded high-performance vertical lathes with spindle outputs of over 100 kW. This machine variety guarantees solutions tailored to customer-specific production requirements.

TESTING / MEASURING / DEBURRING

The unique testing machines from Alpine Metal Tech ensure that all the standards, regulations and safety requirements are met by aluminum wheels, inspection organizations (e.g. TÜV) and premium automotive manufacturers. All testing machines required for the wheel tests are covered within the Alpine Metal Tech product portfolio.

WORKHOLDING

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Alpine Metal Tech covers the entire clamping equipment portfolio, from single size clamping devices to random systems. Due to inhouse production of all components, we assure continuously high quality and the fastest possible respond to customer requirements and individual configurations. In addition to a robust design, key aspects of Alpine Metal Tech clamping devices are safety and ease of use. Thus, safe clamping situations, as well as high availability along with long maintenance intervals, are the main focus.

ADVANCED TECHNOLOGY

Innovative solutions paired with proven Alpine Metal Tech technology form the basis for Advanced Technology. Handling tasks are optimized with in-house vision systems and 3D laser technology for component recognition and measurement. Previously complex and cost-intensive manual tasks will be fully automated to increase efficiency and quality. These automations are used across industries, for example in the field of e-mobility or fine deburring of castings, such as engine blocks and motorcycle swings. Automotive suppliers benefit from automation solutions for laser marking and inspection of cylinder liners as well as in the visual quality control of machined cast surfaces.



Aerospace

Alpine Metal Tech provides a range of simulator solutions to help our customers train for every fire-related eventuality - from tailor-made hot fire training simulators to ongoing maintenance and aftercare.



Alpine Metal Tech is a world leader in the provision of live fire The experienced team accomplishes turnkey solutions through training facilities. The company is specialized in the supply of live fire training simulators of Aircrafts, Structures, Oil and Gas, and Special Applications. Our goal is to design and build customized simulators that are developed through a partnership arrangement to ensure an optimum solution for the training of personnel at the customer's facility.

a close collaboration with customers, innovative concepts and an outstanding quality of products and services. In addition, Alpine Metal Tech is able to provide rapid on-site maintenance for new or existing simulators, full midlife upgrades and refurbishments are designed to keep current systems up to scratch or environmental upgrades to ensure and meet all the latest rules and regulations.

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AIRCRAFT FIRE SIMULATORS

Alpine Metal Tech offers training simulators for various aircraft sizes and types, which can be adapted according to individual customer needs. An endless list of options and combinations of fire training scenarios can be implemented in the design, according to the customer's budget and requirements.

OIL AND GAS FIRE SIMULATORS

Training rigs in the oil and gas area can be designed and configured to any size or type of unit. According to customer specification, small scale rigs are offered as well as complex, large scale facilities with state-of-the-art fire simulation and control technologies e.g. platforms, accommodation areas, helidecks, helicopters, pressure vessels, fuel spills, pumping stations, gathering centres, oil storage tanks, pump houses, pipelines and wellheads.

STRUCTURAL FIRE SIMULATORS

Structural fire simulator provides the means for firefighters to train in an environment that replicates the challenges and complexities of a structural fire, but in a safe, durable, and repeatable manner. From a single flashover trainer to a multi storied complex, the training structures can be customized in any way imaginable. Additionally, Alpine Metal Tech has the ability to design and build maritime fire training simulators to represent any maritime vessel (e.g. engine rooms, galleys, bridge/deck, ship doors).

SPECIAL APPLICATIONS

Live fire training simulators are an invaluable firefighting and rescue tool in countless other areas. Our customized products include fire simulator props for all types of vehicles, fuel spills, household and commercial fires. Furthermore, many nonfire related simulators are available for hazmat, confined space and many types of specialized rescue scenarios. Unique and cutting-edge solutions are offered for the forestry service that replicate the unique challenges faced by wildland fire fighters.



Life Cycle Business

The Alpine Metal Tech group with its worldwide locations and distribution network supplies the growing global companies with a standardized solution package of products and services.



With over 10,000 references worldwide Alpine Metal Tech has a life cycle. A high availability together with a long-term machine large number of machines in operation which are supported by comprehensive service packages through local service center close to the customer. Our service packages comprise machine service, provision of spare and wear parts, supply of consumables as well as modernizations of our machines throughout the whole product

life and low operating costs are targets that we have defined for our Alpine Metal Tech Life Cycle Support. Our global, flexible and competent team handles requests in the shortest possible time. If you are interested in one of the below mentioned areas, we are looking forward to your request.

ORIGINAL SPARE PARTS

At the point of sale, it is of great importance to guarantee a smooth production for our customers without any interferences. Therefore, we offer and provide spare part packages already in this early phase. Subsequently, we are the first contact point to provide original spare and wear parts. In this connection, the individual parts can easily be replaced according to a plug and play principle. We offer individual framework contracts adjusted to customer's needs in order to guarantee the availability of the parts.

CONSUMABLES

In the field of consumables it is especially important to utilize original parts for a smooth and reliable operation. Our framework contracts enable timed delivery to prevent downtime. In the area of consumables, we offer e.g. high quality marking paint and diluents, long-life nozzles, torch cutting powder or deburrer hammers.

SERVICE AND INSPECTION

If a Alpine Metal Tech machines needs repair during the life cycle, our experienced service technicians will find the appropriate solution for you and will take care of it, whether in house or at your production site. Should a service on-site be necessary, our service technicians guarantee a fast and reliable execution. For a safe and reliable operation of your Alpine Metal Tech machine, a maintenance at regular intervals is necessary in order to prevent downtimes in advance.

REVAMPS AND MODERNIZATION

Revamps are modifications on existing machines and plants, which are necessary due to new defined requirements. Our consistent documentation for all our projects enables us to easily perform a modification at any time. Cost-intensive new investments can thus be avoided. Due to continuous research and development of our technologies, we constantly offer new possibilities to improve existing machines. In this regard, Alpine Metal Tech can also conduct revamps for older versions of machine types.



Montana Tech Components

Montana Tech Components AG supports Alpine Metal Techs strategic goal to become a one-stop-supplier and a technology leader.



ALPINE METAL TECH

The Alpine Metal Tech Group is a leading company in different application areas. The company develops, designs, produces and maintains custom machines for the steel (incl. Railway) and automotive industry as well as fire simulators under the seven brands NUMTEC, GEGA, KNORR, MAKRA, AMAKON, MAGNEMAG SIMULATION and INTERMATO. Within the group, the brands profit from the synergies and therefore create customer advantages, such as a global sales and service network, the access to research and development resources, cost-efficient engineering and global service and maintenance concepts.

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