

# *Metalworking*

金属加工设备



# **IMEAS**

**1966 50 Years of 2016**  
**Innovation and Service**

*"Offering innovative solutions, with high-technological contents, featuring precision and productivity"*

We have chosen a challenging mission that aims at the future and is written in the name of our company: Industrial Machines, Equipment And Specials.

Imeas has been following this vocation since its birth in 1966. Over the years the company has become a key actor in the processing of wood based panels, rubber products and stainless metals, among others.

With the support of its highly-qualified professional staff, own offices and agents located in Europe, the Americas, Asia and Oceania, Imeas constantly supports each Customer along

the way of value creation, product development and business continuity.

In its headquarters Villa Cortese (Milan) the company does sales, engineering, production and customer support.

About five percent of the annual revenues are reinvested to develop new products, processes and to perform optimization tests on the company R&D center, equipped with full-scale machines.

A tradition of responsibility, innovation and customer support that has been going on for more than 50 years.

提供高技术含量的创新解决方案, 主要特点为高精度、大产能

我们选择了旨在未来的挑战性使命并寓意于公司的名字: 工业机械、设备及特殊应用。

IMEAS从1966年成立以来一直致力于该使命。多年来公司在人造板、金属、橡胶等产品的加工行业扮演重要角色。

公司拥有高素质的专业团队, 以及分布于欧洲、美洲、亚洲和大洋洲的代表处和代理, 持之以恒为我们每一个客户在价值创造、产品开发和行业发展上提供大力支持。

公司总部位于米兰附近的小镇Villa Cortese, 囊括销售、工程设计、设备制造和客服等所有职能。

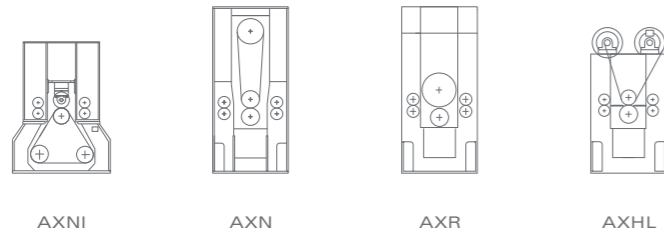
公司拥有配置全套设备的研发中心, 每年将约5%的营业额用于新产品和新工艺研发以及实验测试。

50多年我们一直在坚持尽责、创新, 为客户提供服务支持。

# Imeas Applications & Models

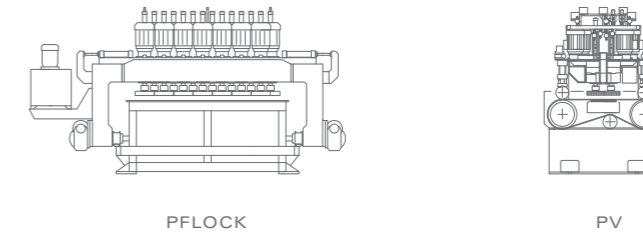
## IMEAS产品应用和型号

**AX Modular System**  
for polishing,  
ScotchBrite,  
Duplo and  
HairLine



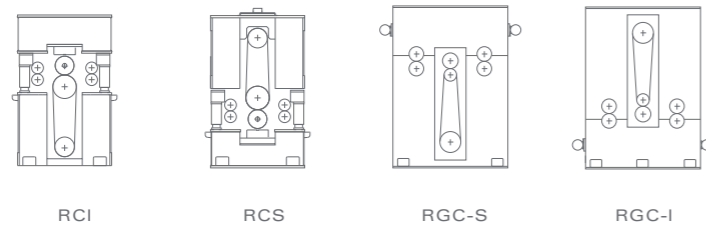
**AX**模块化系列  
适用于抛光、SB刷  
光、抛光刷光组合以  
及表面拉丝

**SuperMirror**  
for mirror-like  
surfaces



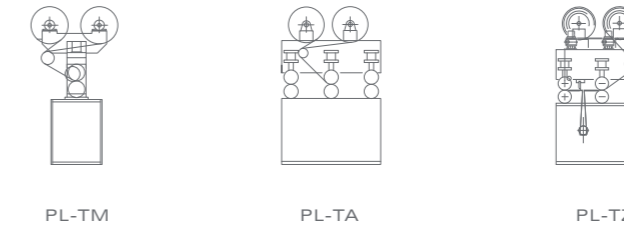
镜面效果的超级镜  
面设备

**Heavy Grinders**  
for coil and plates



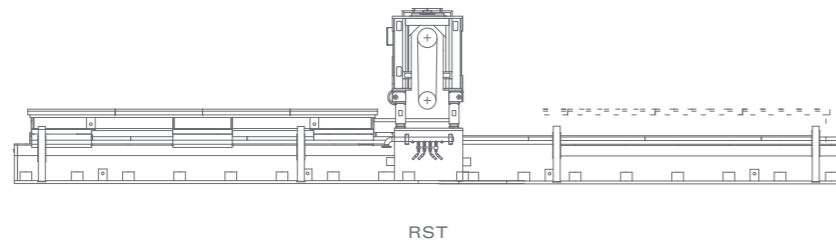
卷材和板材的重型  
磨削机

**Laminating**  
for surface  
protection



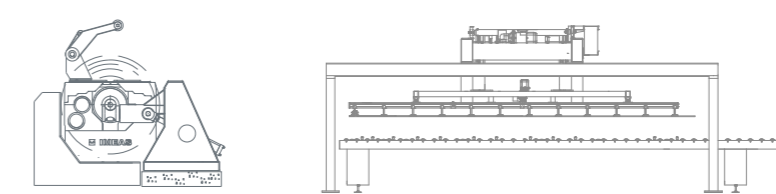
表面保护的覆膜机

**Table Grinders**  
for high precision



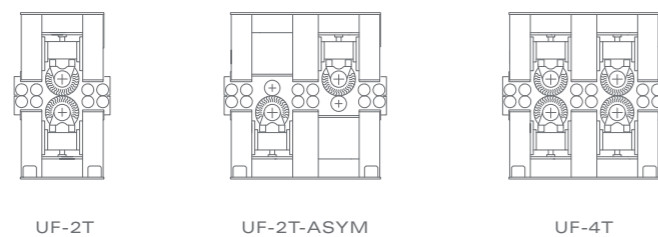
高精度的台式磨削机

**Handling**  
for coils and  
plates



加工宽度

**Heavy Brushing**  
for large size  
plates



大尺寸板材的重型  
刷光机

Working widths

Larghezze di lavoro

1600 - 2100 - 2600 - 3200 mm

# The New **AX** Modular System

Flexible configurations for service centers

The new **AX** series of polishing machines represent the evolution of the previous AT models, of which retain the modular concept: combining as many units as needed to achieve a desired effect, production rate or both.

To satisfy the ever growing needs of modern Service Centers, the new **AXs** modules offer a wide range of workable thicknesses and powerful main motors, assuring impressive performances on every type of materials, in dry as well as in wet process.

The new features include a wide screen touch-panel with a completely re-designed and easy to use interface; a quick replacing system for the counter pressure roll that reduces change time to just few minutes; electronic thickness adjustment; high visibility doors with LED lights.

The AX family includes:

- **AXN** for grinding (no.3 & no.4),
- **AXR** for brushing (no.5)
- **AXHL** for hair-line
- **AXNI** back-pass grinding unit.

**AX**系列抛光机是继AT系列之后的新一代设备,保留了模块化设计理念,可根据所需的表面效果、生产速度配置多台设备。

为满足现代加工中心日益发展的需要,新型**AX**系列设备可适用于多规格的厚度范围并配置大功率电机,确保高性能干湿法加工各种原材料。

# 新型AX模块化系列

加工中心的灵活配置

主要特点包括:全新设计的宽幅触摸屏,易于使用的人机界面;反压辊的快速更换装置,更换时间仅为几分钟;电子厚度调整装置;装有LED照明灯的高可视安全门。

**AX**系列有以下机型设备:

- AXN**抛光机 (NO.3 和NO.4表面)
- AXR**刷光机 (NO.5表面)
- AXHL**拉丝机
- AXNI**下表面抛光机



# RC Grinding Cabins

*Hi-power & precision for heavy plates and coils*

The **RC** grinding cabins represent the ideal solution for the process of hot rolled (HR) coils and plates, having a workable thickness up to 50mm (2 inch).

Thanks to their extremely robust frame, combined with large diameter contact roller and powerful main motors (up to 250 kW) it is possible to achieve a perfectly flat surface in a very short time.

The Imeas' exclusive pressure rolls maintain the plate flat during the grinding process, while the hydraulically operated counter-pressure roller guarantees the necessary contrast to the contact roll action.

The **RC** family includes models available for dry or wet process having characteristic specifically designed for each application.

**RC**型磨削机是加工热轧板材和卷材的理想机型,加工的板材厚度可达50mm(2英寸)。

设备结构坚固,配套大直径的接触辊和大功率主电机(达250千瓦),可高效加工完美平整的表面。

# RC磨削机

**厚板和卷材的大功率高精度磨削**

IMEAS独家设计的夹送辊确保加工过程中的板材平整,液压驱动的反压辊提供抗衡于接触辊作用力的反压力。

**RC**系列可有干湿法加工设备,根据不同的应用具有相应的设计特点。



# RST Table Grinders

*Built-in precision*

The new **RST** table grinders represent the most advanced solution for the production of plates that requires a very close tolerance of few microns, both for thickness as well as for flatness.

Typical applications include press-plates for HPL production and for short-cycle lamination presses, titanium plates etc.

The great rigidity and stability of the machine frame, coupled with high-precision guides and electronically controlled motors assure an extremely smooth and play-free movement of the table to achieve a perfect flatness and finishing on the processed workpiece.

The **RST** grinder can be equipped with magnetic or vacuum table and it is available with single or multiple heads to increase productivity.



# RST 台式磨削机

内置式高精度

**RST**台式磨削机是加工所需厚度和平整度公差仅为几微米板材的最为先进机型。

典型应用有高压防火板压机和短周期贴面压机的钢模板和钛板材加工。

极其稳固的机架、高精度导向以及电子控制电机确保台面运行稳定流畅，加工表面平整光洁。

**RST**磨削机可选磁力或真空吸附料台，根据产能配置单个或多个磨削头。

# UF Heavy Brushing

Designed for brushing of huge size plates

The **UF** is a family of brushing machines specifically designed to process aluminum plates with a thickness of up to 300mm.

Their heavy-duty frame can host up to four brushing units to process both sides of a plate in a single passage. Asymmetric as well as top or bottom only configurations are also possible.

By combining more **UF** cabins it is possible to achieve very high production rates.

Additionally, an integrated dressing device is designed to keep the ScotchBrite™ rolls always sharp and efficient, thus maximizing productivity.

## UF重型刷光机

适用于大规格板材刷光

UF系列刷光机特别适用于中厚铝板的加工,加工厚度可达300毫米。

重型机架可安装四个刷光头,单次完成上下表面加工。可选配置有错开式上下刷光和仅上或下表面刷光。

多台UF刷光机可满足大产能加工需要。

在线式修磨装置确保SB刷光辊锋锐高效,提高生产效率。

# SuperMirror Machines

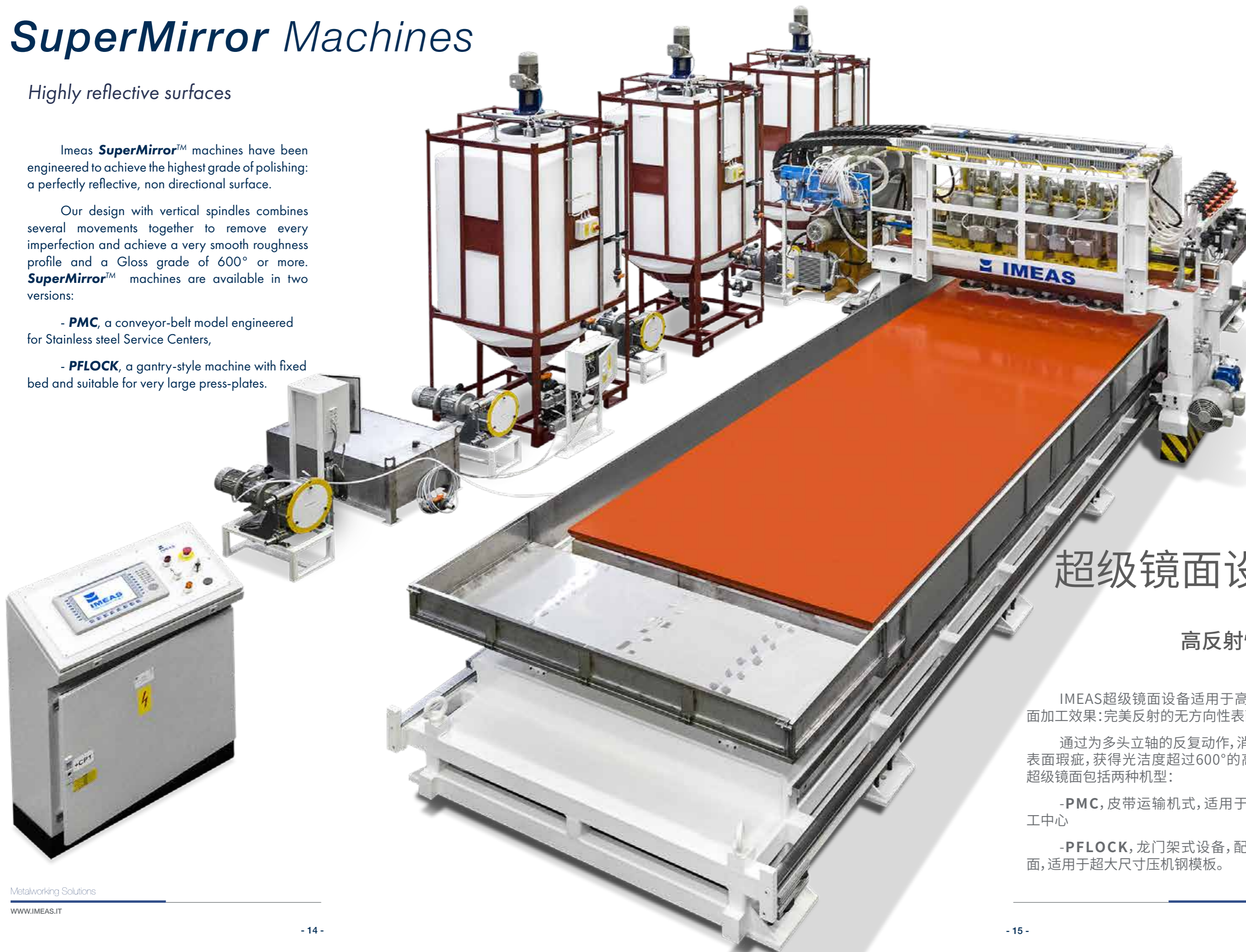
Highly reflective surfaces

Imeas **SuperMirror™** machines have been engineered to achieve the highest grade of polishing: a perfectly reflective, non directional surface.

Our design with vertical spindles combines several movements together to remove every imperfection and achieve a very smooth roughness profile and a Gloss grade of 600° or more. **SuperMirror™** machines are available in two versions:

- **PMC**, a conveyor-belt model engineered for Stainless steel Service Centers,

- **PFLOCK**, a gantry-style machine with fixed bed and suitable for very large press-plates.



## 超级镜面设备

高反射性表面

IMEAS超级镜面设备适用于高规格的表面加工效果:完美反射的无方向性表面。

通过为多头立轴的反复动作,消除原材料表面瑕疵,获得光洁度超过600°的高光表面。超级镜面包括两种机型:

-**PMC**, 皮带运输机式,适用于不锈钢加工中心

-**PFLOCK**, 龙门架式设备,配套固定台面,适用于超大尺寸压机钢模板。

# PL Coating Machines

Solutions for surface protection

The **PL** series of laminating machines are designed to protect the polished surfaces from dust and scratches by applying a self-adhesive plastic film.

The film application is always done automatically as part of a working cycle or at the simple push of a button, while the cutting can be manual or automatic.

The patented "**Zero overlap**" technology allows to cut the coating film precisely at the beginning and at the end of each sheet: without leftover the sheets will not stick to each other!

The **PL** machines are offered in three versions and are suitable for either coils and plates application. As option, multiple film reels as well as top & bottom lamination are available.



# PL覆膜机

用于保护材料表面

PL覆膜设备用于对已加工表面进行贴膜保护,防止可能的灰尘污染和划伤。

贴膜在一个工作周期内自动完成或简单按按钮完成,切膜可以是手动或自动。

IMEAS专利“零叠加”在线式切膜技术可在板头和板尾精确切断塑料膜,不会有残留膜导致板材粘连。

PL系列有三种机型可选,适用于卷材或板材。作为备选供货,我们提供多根膜卷轴及上/下表面同时贴膜的方案。

# Coil Handling Equipment

## High productivity and reliability

Imeas' coil-to-coil equipment is designed to fit our grinding & polishing machines and includes all necessary components such as decoiler and recoiler, crop shear, flattener and pinch-rolls.

Each coil line is specifically designed and optimized to achieve the maximum productivity and the first class components assure high reliability.

A dedicated coil alignment and steering system is used to keep the coil straight wind after wind, while a sophisticated software controls speed and tension continuously to guarantee homogeneous results.

We offer systems to handle coils from 10 up to 36 ton for use in service centers as well as stainless steel-making environments.



# 卷材加工的辅助设备

## 大产能和高可靠性

IMEAS卷材辅助设备配套于磨削机和抛光机,包括如开卷机、收卷机、料剪、矫平机和夹送辊。

每条卷材线均经专业设计和调试已满足取得最大产能,一流的元器件配置确保设备长久地稳定可靠。

高精度的卷材调偏装置确保收卷时卷材平直,先进的软件持续控制速度和张力,保证稳定一致的效果。

我们提供的设备可处理10-36吨的卷材重量,适用于不锈钢加工中心和不锈钢生产车间。



# Plates and Sheets Handling

## Flexibility and performances

Combining flexibility of usage and high performances is at the heart of every line that processes plates and sheet.

Imeas know-how extends far beyond the simple mechanical integration, and deeply involves the creation of a dedicated management software that optimizes production and provides great flexibility.

Imeas can offer cost-effective manual sheet to sheet lines as well as fully-automated lines with multiple loading and unloading stations and capacity for plates of large size.

Regardless its complexity, every project is carefully engineered to guarantee that each part works in perfect harmony with the others to meet your highest expectations.

# 厚板和板材辅助设备

## 灵活性和性能

使用灵活和高性能是每条板材加工生产线的核心特点。

IMEAS技术已不局限于简单的机械集成,而是更深层次引入管理软件,优化生产、提高操作灵活度。

IMEAS可提供经济型的手动板材生产线和配置多工位上下料设备的全自动生产线。

不管配置有多复杂,我们都会精心设计每个项目,确保所有工段设备完美协调,给您带来最大满意度。

# References & Testimonials

*Who trusted us, and what they say about Imeas*

Acerinox - Aceromet - Acesita - Aços Boixareu - Alcoa - Alro - Alumium Metallurgical Russia  
Amag Rolling - Altunbas Metal - Arcelor Mittal - Aristech Acrylics - Artsteel - Armetal Metal Industries  
Azynox - Prometal Bakli - Baoji Titanium Industry - Berndorf Band - Böhler - C.A. Picard - Cemsun  
Coil Processors - Dai Yang Metal - Deutsche Nickel - Ebor Edelstahl - Flai - Formica - Franklin Stainless  
Greenply Ind. - Hideco - Hindrichs Auffermann - Holzrichter - Hudson Solid Surfaces - Hulett Aluminium  
IBM - Imphy - Jindal Stainless - Kaltwalzwerk Brockhaus - Kolbenschmidt - Lamitech - Lohakit Steel Service  
Center - Lamiere Speciali Inox (LSI) - Maryland Metals - Metaal Compagnie Brabant - Metal Center Minox  
Metals Private - Mideast Metals - Nova Trading - Outokumpu - Patsala Bross - Peter Holzrichter Phoenix  
Metals Company - Prominox - Qingdao Hansan Steel- Ryerson Tull - S&S International - Salem Steel  
Plant - SLM Service - Sandvik - Saritas - Schmolz+Bickenbach - Scope Metal Trading - Sidma - Globus  
Stal - Steelway - Steel Center - TAD Inox Services - Terninox - ThyssenKrupp Stainless - Tresoldi Metalli  
Uginox - Valley Chrome - Wilsonart International - Winner Machinery Enterprise - Jiangsu Daming  
Yieh Mau.

*The Imeas machines are a guarantee of reliability and long life.*

TAD Inox Services  
Netherlands

*We are writing this letter as a humble note of appreciation for the quality service provided by your office staff. We appreciate the way you have trained your staff and the way they are following their duty perfectly.*

Minox Metals Private Ltd.  
India

*Imeas is one of the oldest and most reliable supplier of polishing machines in the world, the quality is excellent and the after sale service is also prompt.*

Mideast Metals FZCO  
U.A.E.

*After carefully considering the experience and capabilities of several polishing machinery suppliers, in 2003 Phoenix Metals installed an Imeas automated stainless steel sheet polishing line.*

Phoenix Metals  
USA

*The company IMEAS can be appreciated especially because designs and manufactures its machines in Italy, constantly making innovations and technical updates that can also be installed on machines with over 10 years service, thus allowing us to always have updated and performing machinery.*

Fрати Luigi spa  
Italy

*Metalworking Solutions*

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