REPORT OVERVIEW

Manufacturing Industry Output Tracker (MIO)

Global Industry and Machinery Production Data and Forecasts + Critical Impacts of COVID-19

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About the MIO – The most complete and unified analysis of the global manufacturing industry on the market

The Manufacturing Industry Output (MIO) Tracker provides an unparalleled level of detail and insight into global manufacturing.

In a fast-moving sector with complex correlations, it is critical to understand the state of the market now, where it was, and where it will be. This unique tracker offers the most complete and unified analysis of the manufacturing industry globally. It quantifies the total value of manufacturing production with deep granularity – for over 35 industries, across 44 countries, and presenting 15 years of historical data – for a complete business cycle, pre-recession to the present day. A credible 5-year forecast rounds out the view.

We’ve carefully organized the country data around a common Manufacturing Industry Outlook (MIO) Taxonomy to provide easy-to-interrogate, like-for-like comparisons. Understanding these complex correlations alongside current country and industry projections provides a more accurate forecast by country, industry and machinery sector.

The “Premium Edition”

The ‘Premium Edition’ s the latest big update to the MIO Tracker, which provides unit shipment and average selling price analysis for all “named” machinery sectors (i.e. excludes “other” machinery).

These analyses are shown for all MIO regions, with the additional data provided for the period 2008 to 2021. A 5-year forecast is also included.

“Interact Analysis’ work extended above and beyond our expectations. In an environment full of less-than-credible data sources, it was refreshing to work with a research provider who was clear and transparent about its methodology while also taking the time to thoroughly explain its findings. We feel more confident in our strategic decision making as a result of working with Interact Analysis and would highly recommend utilizing their services.” – Cleaver Brooks

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The total manufacturing value in 2021 was $42.5T. This was an increase of 8.3% from the 2020 production value posted of $39.2T.

At its current predicted rate of growth, it is likely that global MIO value will reach $50T within the next 5-10 years.

China was one of the few regions to maintain positive growth throughout the pandemic, this has allowed the total value of manufacturing to remain relatively stable despite major issues in other regions.

With nearly half the value of manufacturing output coming from China, Asia has gained significant share over both Europe and Americas since 2007. This trend is projected to continue.

Five industries dwarfed the others in terms of their manufacturing value: metals, food and beverage, chemicals and pharmaceuticals, automotive, and electrical and electronic equipment.

The largest machinery sectors are those which have a use case across multiple industries and areas of society. Namely materials handling, HVAC and machine tools.

Key Findings

The MIO Advantage

▪ Unique expert forecast of manufacturing's response following the COVID-19 global health crisis.
▪ Granular market size and forecast data, built-up from individual country-level models using local currencies and unadjusted growth series. See data presented in USD, EUR, GBP, YEN, YUAN or Korean WON with more available on request, using both fixed (18-year average '07-'27) and floating currency rates.
▪ Easy-to-read data presented in terms of the annual value of production for the past 15 years, with credible five-year forecasts including the current year.
▪ Observe like-for-like regional growth rates with the effects of currency exchange removed or included – a factor that profoundly changes the growth values presented.
▪ Over 90,000 rows of source, derived from inputs totaling over 1.5 million data points. The sheer size of the data ensures consistency and reliability when interpreting forecasts
▪ Interactive datasets, plus country and industry dashboards, so you can customize outputs to your precise needs for maximum flexibility.
▪ Individualized support in analyzing and interpreting data at no extra cost.
Market Segmentation – Manufacturing Sectors

Automotive
- Mechanical Automotive Components
- Automotive Engines
- Light Passenger Vehicles
- Motor Cycles
- Electronic Automotive Components
- Other Automotive Production

Chemicals & Pharmaceuticals
- Petrochemicals
- Fertilizers & Agrochemicals
- Other Industrial Chemicals
- Consumer Chemicals
- Pharmaceuticals

Electrical & Electronics Equipment
- Consumer Appliances
- Commercial Electronics
- Computers & Peripherals
- Communications Equipment
- Cabling
- Medical Electronics
- Camera & Recording Equipment

Non-Metallic Minerals
- Aggregate & Cement
- Clay & Ceramics
- Glass
- Other Non-Metallic Minerals

Off-Highway Commercial Vehicles
- Agricultural Vehicles
- Construction Vehicles
- Forklifts

On-Highway Commercial Vehicles
- Commercial Trucks
- Other On-Highway Commercial Vehicles

Other Manufactured Goods
- Furniture
- Jewellery
- Recreational Products
- Medical Products
- Tobacco Products
- Printed Products & Recorded Media
- Other Manufactured Products

Pulp & Paper
- Pulp & Paper
- Paper Products

Rubber & Plastics
- Basic Rubber Production
- Basic Plastic Production
- Rubber Products

Semiconductor & Components
- Semiconductors
- Electronic Components
- Capacitors, Resistors, Transformers & Inductors

Textiles
- Apparel & Fashion
- Footwear
- Non-Fabric Textiles
- Fabric Textiles

Transportation & Other Vehicles
- Aerospace
- Marine
- Trains, Trams, & Trolleybuses

Wood & Wood Products
- Sawmill & Timber
- Wood Products & Manufactured Boards
Market Segmentation – Machinery Sectors

Food & Beverage Processing Machinery
- Food Processing Machinery
- Beverage Processing Machinery

Industrial Machinery
- Air & Gas Compressors
- Pumps & Fans
- Fluid Power Equipment

Machine Tools
- Cutting Machinery
- Forming Machinery

Materials Handling Equipment
- Conveyors
- Cranes
- Pulleys & Hoists

Other General Machinery
- Other Machinery Tools & Parts
- Other Machinery

Non-Manufacturing Machinery
- HVACR
- Turbines
- Generators & Gen Sets
- Elevators, Escalators & Lifts
- Industrial Furnaces & Ovens
- Vending Machinery
- Office Machinery
- Other

Special Purpose Machinery
- Mining & Quarrying Machinery
- Agricultural & Forestry Machinery
- Rubber & Plastics
- Pulp & Paper Machinery
- Printing Machinery
- Metallurgy Machinery
- Packaging Machinery
- Semiconductor & Electronics Machinery
- Textile Machinery
- Woodworking Machinery

All segments across the manufacturing and machinery sectors are shown for the following countries:

Europe
- Austria
- Belgium
- Bulgaria
- Croatia
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Ireland
- Italy
- Latvia
- Lithuania
- Norway
- Poland
- Portugal
- Romania
- Slovakia
- Slovenia
- Spain
- Sweden
- Switzerland
- The Netherlands
- Turkey
- UK

Americas
- Argentina
- Brazil
- Canada
- Columbia
- Mexico
- USA

Asia Pacific
- Australia
- China
- India
- Malaysia
- Indonesia
- Japan
- South Korea
- Taiwan
- Thailand
- Vietnam
Premium Edition – Unit Shipment and Average Selling Price (ASP) Analysis

What is included in the “Premium Edition”?

The “Premium Edition” is our most recent big update to the MIO Tracker, which provides unit shipment and average selling price analysis for all “named” machinery sectors (i.e. excludes “other” machinery).

These analyses are shown for all MIO regions, with the additional data provided for the period 2008 to 2027.

Unit and ASP analysis is provided for fixed exchange rate US dollar production values only.
Your investment:

**STANDARD MIO TRACKER**  
12 MONTH ACCESS

- $11,250 / €9,750 / £8,250 / CNY 74,000
- One-time charge, unlimited users
- ✔️ Quantifies the total value of manufacturing production with deep granularity – for over 100 industries and sub-industries, across 44 countries, and presenting 15 years of historical data
- ✔️ A credible 5-year forecast
- ✔️ Highly quantitative research and data sets
- ✔️ Interactive Excel file and Power BI file, updated quarterly
- ✔️ Pivot table and chart analysis for easy data customization
- ✔️ A top-line PDF presentation, provided each quarter
- ✔️ Detailed overview of the research methodology and data sources used
- ✔️ Periodic updates of core data, quarterly updates of China data, and a quarterly report describing key changes, keeping your data up-to-date

**PREMIUM MIO TRACKER**  
12 MONTH ACCESS

- $16,900 / €14,650 / £12,400 / CNY 111,165
- One-time charge, unlimited users
- ✔️ Access to Standard MIO Tracker
- ✔️ Includes Unit Shipment and ASP estimates for named machinery categories for all regions

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Adrian has been conducting research on, and managing teams of analysts covering, the technology industry for over 20 years. He has pioneered many data analysis techniques and methods that are used widely by analysts today, as well as having created frameworks for measuring numerous technology markets from industrial automation products to semiconductors.

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Jack works as the primary data analyst across multiple research activities in Industrial and Technology sectors. His expertise lies in data modelling, economic forecasting and streamlining processes to enhance product efficiency. His main responsibility is the enhancement and upkeep of the MIO tracker.

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Our standout approach

1. Intelligent Insights
   - Market share, revenues and pricing
   - Historical data and credible forecasts
   - Company analysis, competitive strategy and positioning
   - Analysis of technology developments
   - Timely and relevant industry insights

2. Meticulous Methodology
   - Primary research: > 30 hours interviews
   - Real company data, maintained confidentially
   - Proprietary models and forecast techniques
   - Experienced and qualified research team
   - Reputation built on uncompromising quality

3. Dynamic Delivery
   - PPT & Excel reports
   - Power BI Dashboards
   - 24/7 access from our client area
   - Post-delivery advice and support
   - Talk to our analysts; we’re here to help
Who we are

With over 200 years of combined experience in technology research, we are recognized as the intelligence authority for the entire automation value chain, from the technology used to automate factory production, through warehousing and robotics, to the transportation of the finished goods.

We speak directly with the users, suppliers and thought leaders in each competitive environment, bringing entirely new data into play.

We go beyond the data and provide deep analysis on opportunities for technology-driven growth.

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What makes us different?

**200+**

**DEEP ROOTS**
200+ years combined experience in technology research

**GLOBAL FOOTPRINT**
200+ global clients, in all major markets from Europe to Asia and the US

**PRIMARY-FIRST RESEARCH**
1000+ interviews each year, bringing entirely new insights into play

**100m+**

**PENETRATING INSIGHTS**
100 million+ data points analyzed to find needle-moving insights

**SUBJECT MATTER EXPERTS**
For technologies right across the automation value chain

**COLLABORATION**
We work in partnership to develop tailor-made solutions for our clients
With offices spanning the UK, US and Asia, we’ve grown to become the go-to partner for international technology market research.

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