

INNOVATION TAKES CENTER STAGE

The 2020 MHI Annual Industry Report, published for the last seven years, features survey results from more than 1,000 manufacturing and supply chain executives. Here are some key findings from the most current report, which was released at MODEX 2020.



TECHNOLOGY ADOPTION RATES

For the following 11 technological advances, the first figure represents the percentage of respondents whose companies already have adopted them, and the second number is the projected five-year adoption rate.

	Already Adopted	In 5 Years (projected)
Cloud computing and storage:	59%	90%
Sensors and automatic identification:	42%	82%
Inventory and network optimization:	40%	89%
Robotics and automation:	39%	73%
Predictive analytics:	28%	82%
Internet of things:	26%	25%
Wearable and mobile technology:	25%	68%
3D Printing:	21%	51%
Autonomous vehicles and drones:	18%	54%
Artificial intelligence:	12%	60%
Blockchain:	10%	56%

SPENDING ON TECHNOLOGY

50%

Survey respondents who expect their companies to spend more than \$1 million on supply chain technologies over the next two years

25%

Planning to spend more than \$5 million

5%

Planning to spend more than \$50 million

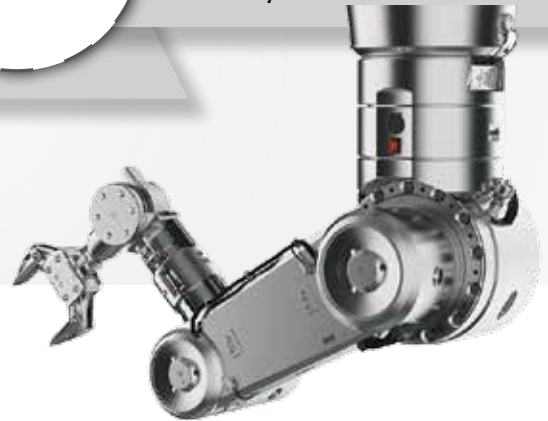
AUTOMATION AND ROBOTICS

67%

Respondents who believe robotics and automation have the potential to disrupt the industry or create a competitive advantage

40%

Respondents whose companies plan to purchase new or additional automation equipment over the next five years



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Data and transparency

Percentage of senior business managers and executives who say their companies aren't good at capturing, processing and integrating data streams from multiple sources

85%

Potential savings to the pharmaceutical industry through inventory reductions resulting from greater supply chain transparency

\$25 Billion

Potential savings to the pharmaceutical industry from enhanced data collection and integration throughout the supply chain

\$6.6 Billion

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Innovative Robotics: A Worldwide Perspective

Strong Global Demand

422,271—Global number of robot installations in 2018, up 6% from 2017

\$16.5 billion—Value of those installations

2,439,543—Operational stock of industrial robots in 2018, up 15% from 2017

30%—Percentage of total robot installations in the automotive industry, the largest segment, followed by electrical/electronics (25%), metal and machinery (10%), plastics and chemical products (5%) and food and beverages (3%)

19%—Average annual increase in robotic installations from 2013-2018

\$37 billion—Total market demand for professional service robots in 2019-21

485,000—Projected number of robotic units for logistics that will be sold from 2019-21, rising 18% annually

69,000—Number of logistics robots installed in 2017, up 162% from 2016

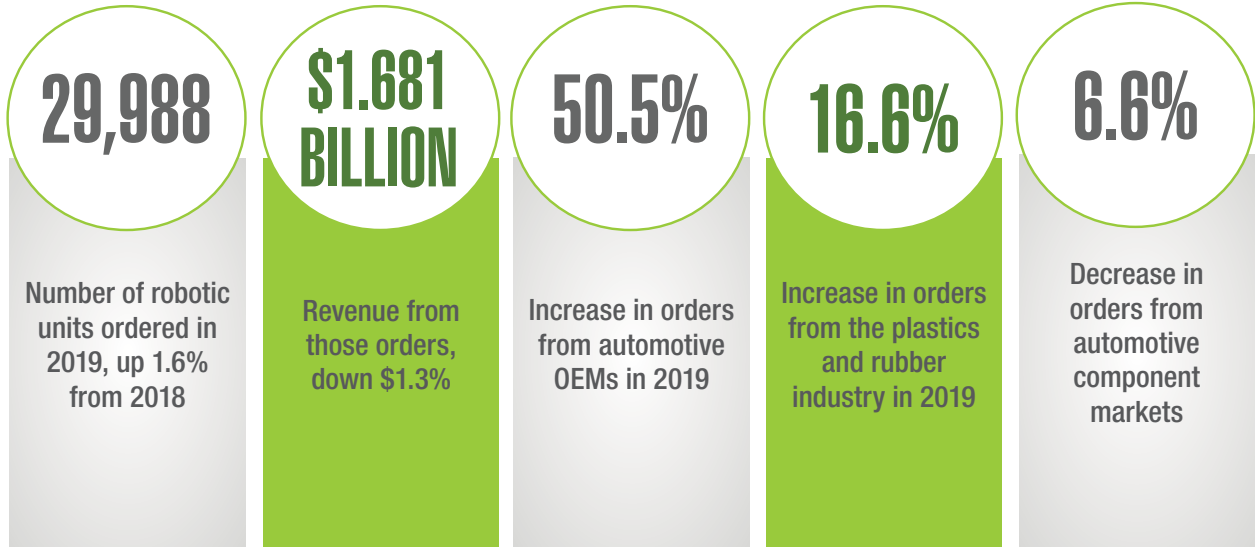
\$3.9 billion—Estimated value of logistics robots sold in 2018, up 66% from 2017

Source: International Federation of Robotics





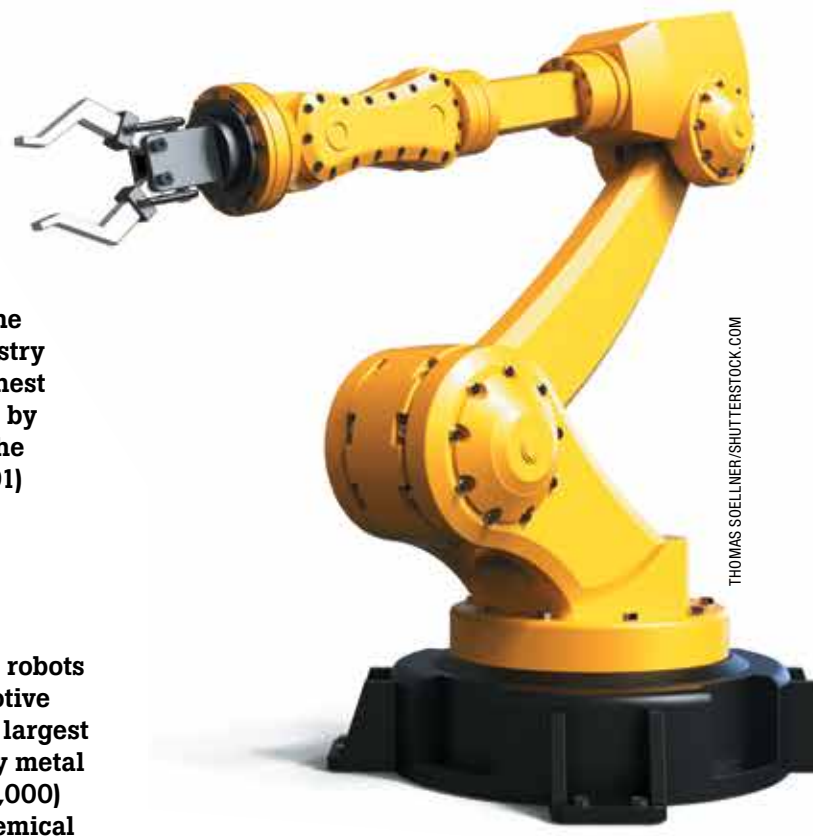
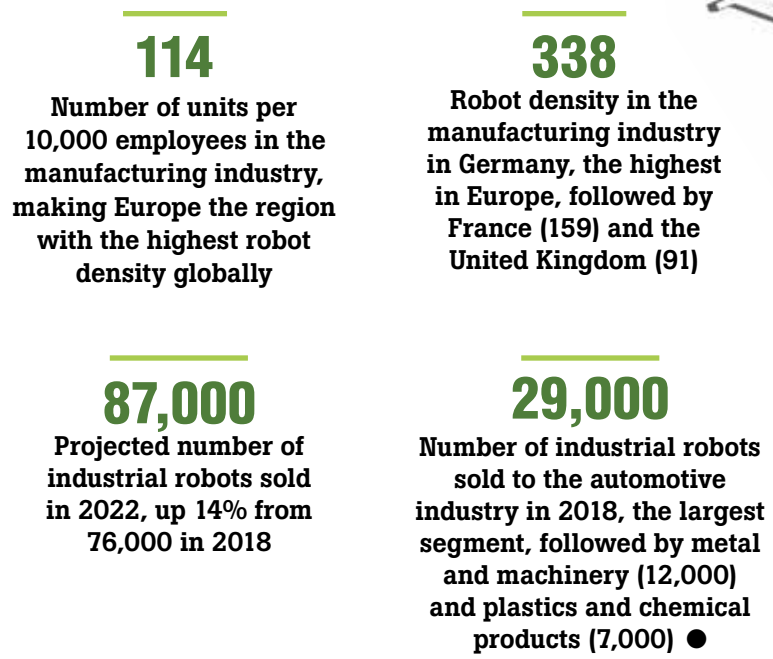
ROBOTICS IN NORTH AMERICA



PHONLAMA PHOTO/SHUTTERSTOCK.COM

Source: Association for Advancing Automation

ROBOTICS IN EUROPE



THOMAS SOELLNER/SHUTTERSTOCK.COM

Source: Association for Advancing Automation