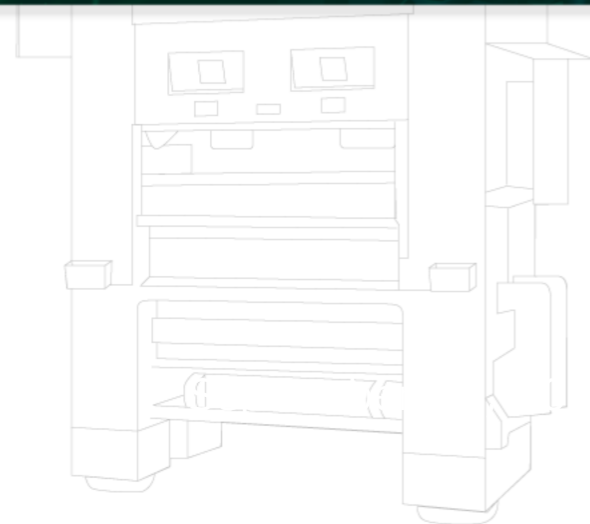


# Company Profile



**AIDA ENGINEERING, LTD.**





# Company Overview

Building our Future

|                     |                                    |
|---------------------|------------------------------------|
| Founded             | March 1917                         |
| Capital             | ¥7.831 billion                     |
| Total Assets        | ¥101.6 billion (as of March 2017)  |
| Representative      | President and CEO Kimikazu Aida    |
| Number of Employees | 1,950 (as of March 2017)           |
| Annual Sales        | ¥67.5 billion (as of March 2017)   |
| Stock Listing       | Tokyo Stock Exchange First Section |





1. SCHULER (Germany) ¥144.1 billion ...12/2016 EUR1,174.2 million
- 2. AIDA (Japan) ¥67.5 billion ...3/2017**
3. KOMATSU (Japan) ¥56.6 billion ...3/2017 (Includes non-press sheet metal working machines and their services)
4. Fagor (Spain) ¥24.5 billion ...12/2015 EUR186million
5. H&F (Japan) ¥24.1 billion ...3/2017 (H&D became subsidiary of Hitachi Zosen in Feb 2017)
6. Ching Fong (Taiwan) ¥18.4 billion ...12/2016 TWD5,020million
7. Shieh Yie (Taiwan) ¥15.1 billion ...12/2016 TWD4,190million

※ Figures for overseas builders are subject to change due to foreign exchange rate fluctuation

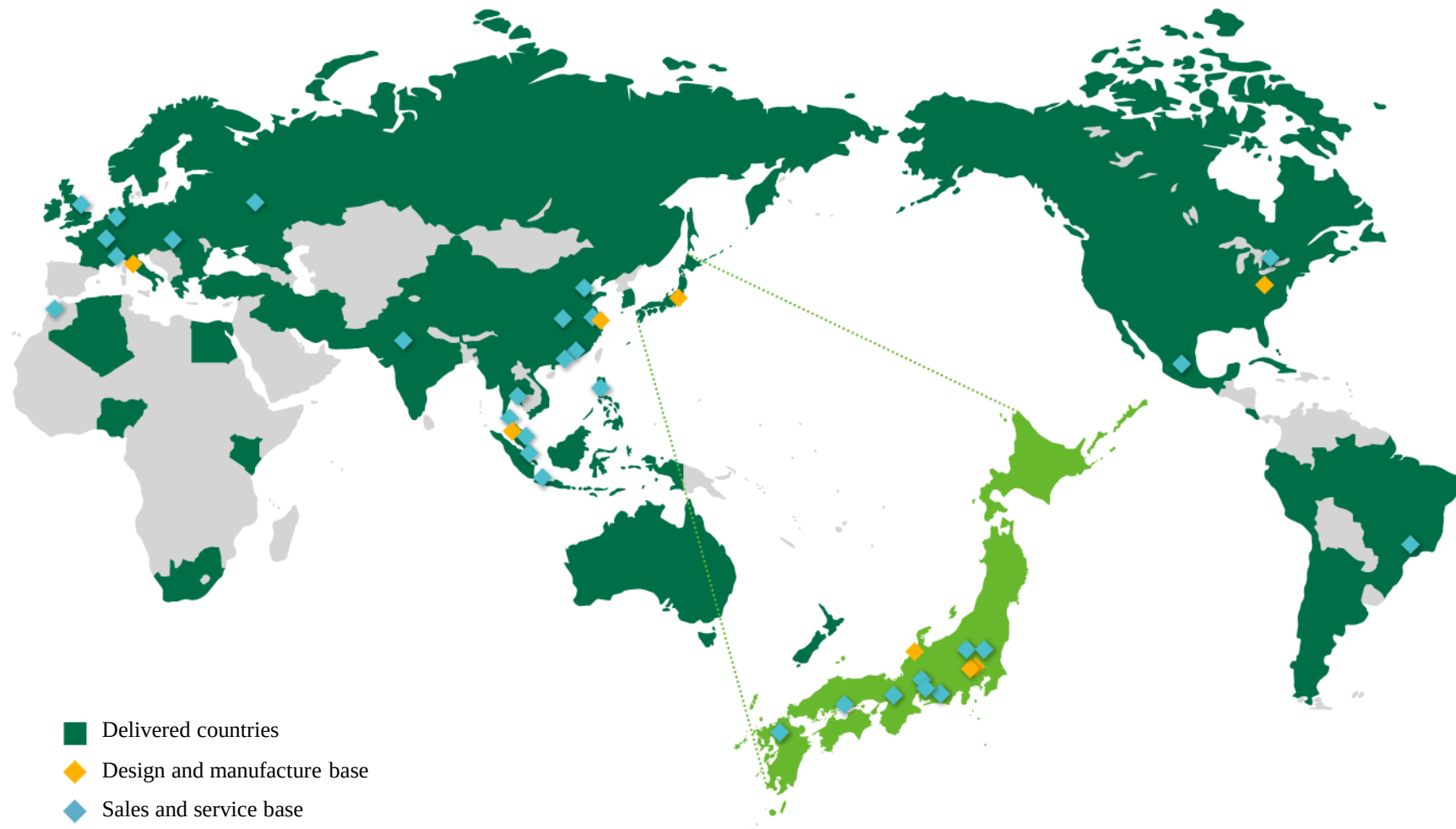
## Second largest press builder in the world



# Global Business Structure

Building our Future

Present in 38 locations 19 countries worldwide





# Production System 1 (5 key global positions)

Building our Future

**A Production System which realizes production at the most suited locations and positioned near each major market**

**AIDA AMERICA CORP.**  
(U.S.A.)



Medium-large Customized Press Production Plant

**AIDA PRESS MACHINERY SYSTEMS CO., LTD.**  
(China)



Medium-large Customized Press Production Plant

**AIDA ENGINEERING (M) SDN. BHD**  
(Malaysia)



Medium-Small Press Mass Production Plant

**AIDA ENGINEERING, LTD.**  
(Japan)



**AIDA S.r.l.**  
(Italy)



Medium-large Customized Press Production Plant

## Large Horizontal Boring Machine



 ×7 units  
 ×3 units  
 ×4 units  
 ×7 units  
 ×2 units

## Large 5-face machining center



 ×6 units  
 ×3 units  
 ×3 units  
 ×1 unit  
 ×2 units

## Large Turning Center



 ×3 units  
 ×1 units  
 ×2 units  
 ×1 unit

## Large Gear Cutting Machine



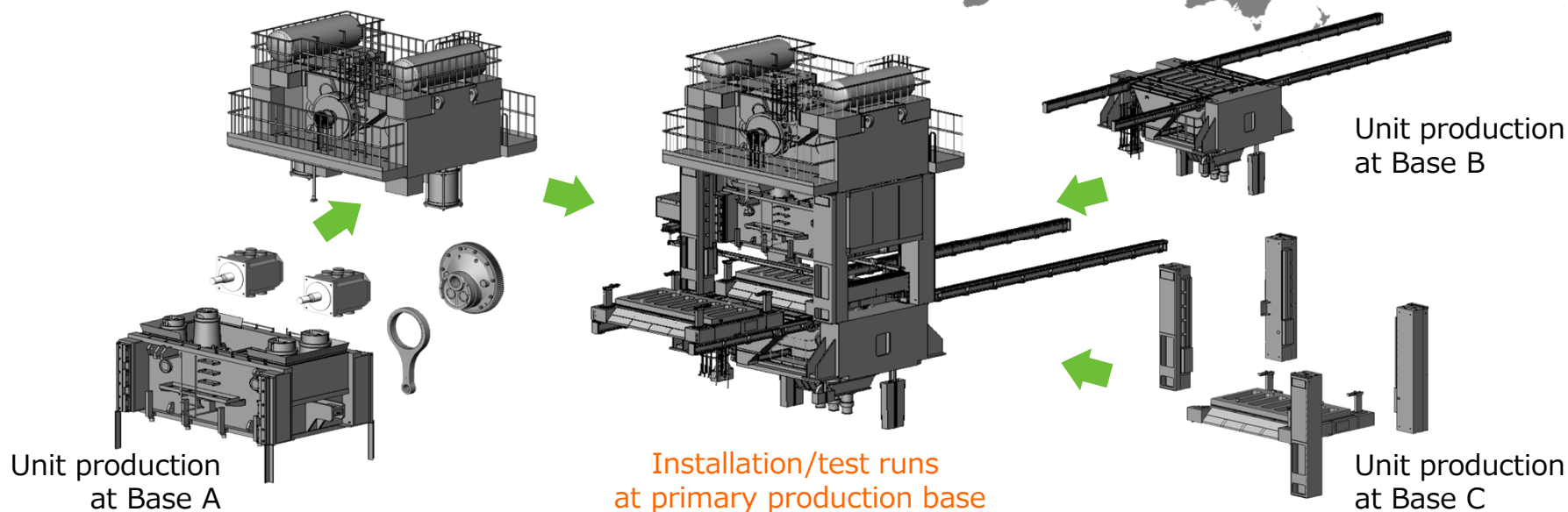
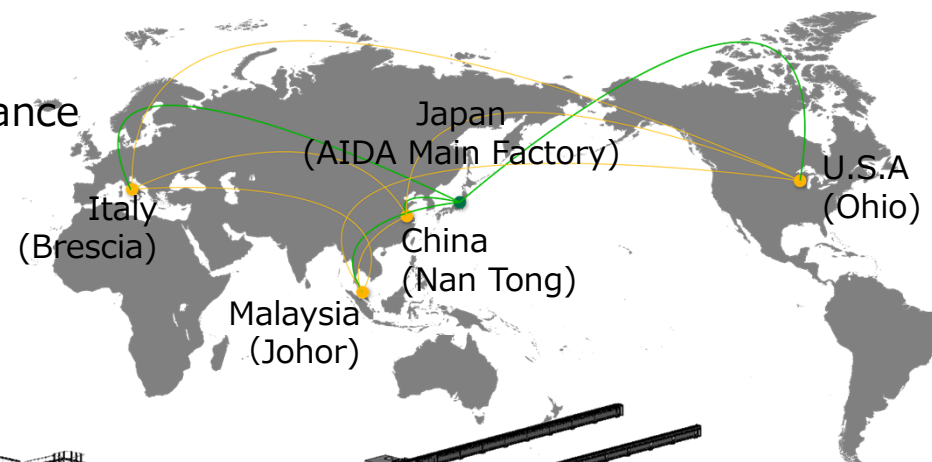
 ×1 unit (NC)  
 ×7 unit (Manual)

|                         | Japan                      | China                      | Malaysia                    | Italy                      | U.S.A                        |
|-------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|------------------------------|
| Site Area               | 170,872 m <sup>2</sup>     | 67,960 m <sup>2</sup>      | 72,843 m <sup>2</sup>       | 55,000 m <sup>2</sup>      | 171,858 m <sup>2</sup>       |
| Building Area           | 82,324 m <sup>2</sup>      | 30,004 m <sup>2</sup>      | 28,345 m <sup>2</sup>       | 24,170 m <sup>2</sup>      | 16,750 m <sup>2</sup>        |
| Employees               | 845                        | 226                        | 338                         | 345                        | 218                          |
| Max. Crane Capacity     | 180ton /Lifting Height 23m | 200ton /Lifting Height 21m | 80ton /Lifting Height 10.5m | 200ton /Lifting Height 19m | 150ton /Lifting Height 15.5m |
| Large Assembly Pit Size | L34m×W11m ×H-7.2m          | L20m×W11m ×H-6.5m          | L15m×W7m ×H-2m              | L26m×W2m ×H-4.5m           | L39m×W19.5m ×H-4.9m          |

As of March 2017

## Expansion of Parallel Global Production to achieve optimized lead time and cost

1. Unify large structural parts machining equipment Program sharing • Quality assurance
2. Optimized production near the market  
Transport cost • Service response
3. Shorten lead time by sharing production  
Parallel Working • Work standardization



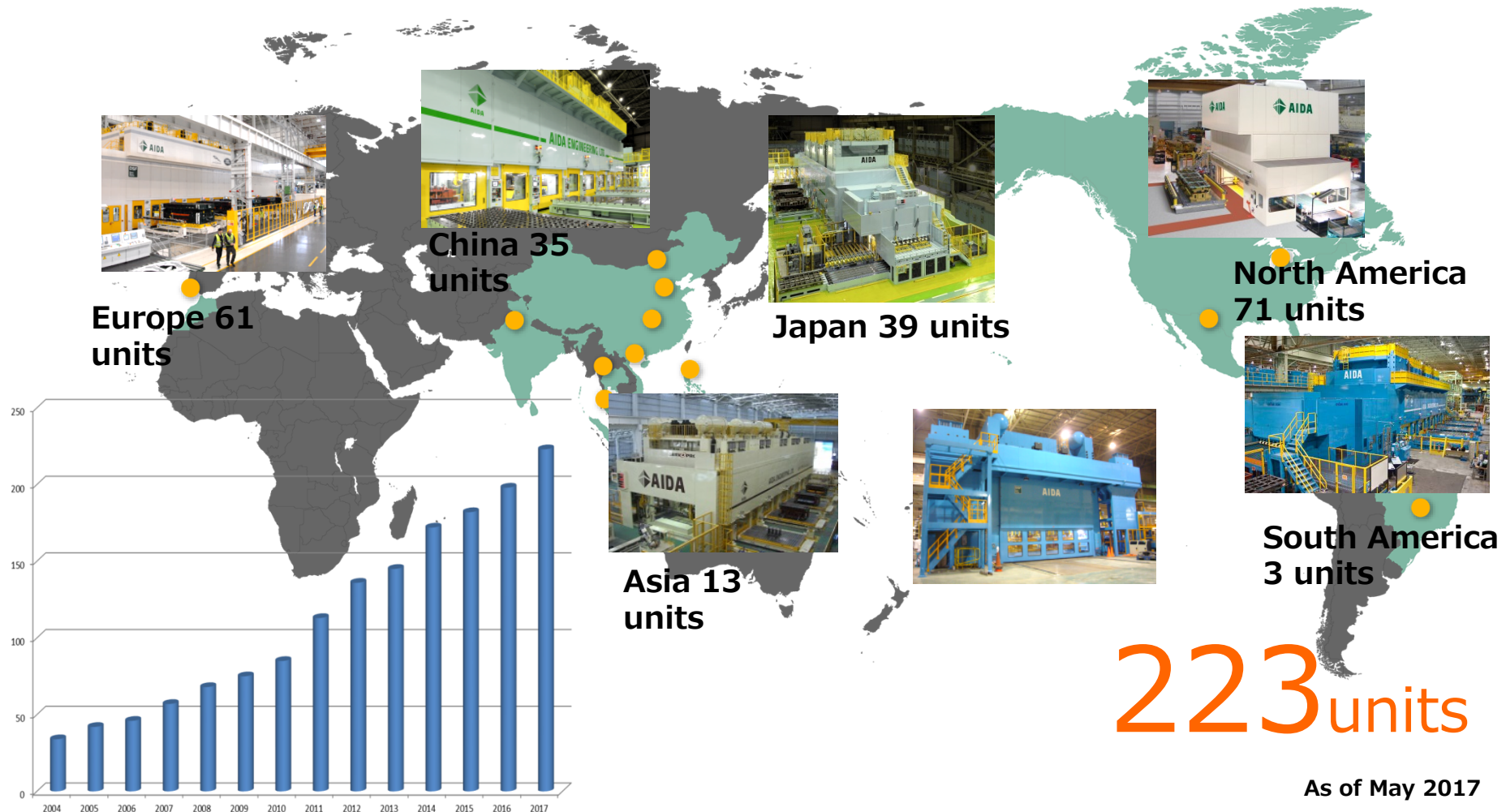


# Delivery Record 1 1,500ton and larger presses

Building our Future

8

13 year record since acquiring Italian branch in 2004





## Servo Transfer Press for High Tensile Steel Forming



Direct Drive enabling  
highly responsive Motion  
Control



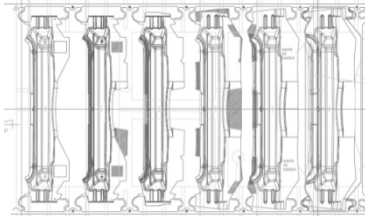
AIDA's original Electro-  
Hydraulic Servo Die  
Cushion

Achieved highly responsive surge-less motion by  
combination of upper and lower constant velocity control

Enhanced Formability · Stable Quality

## World's largest class · fastest Servo Progressive Press

【Main Spec】 Stroke: 500mm Max 50min<sup>-1</sup> Die Area: 4750 x 2750



Pendulum motion achieves  
Stroke 200mm  
Max. 60 SPM

Increased Productivity · Noise Reduction





# Delivery Record 3 All Servo Tandem Lines

Building our Future

【Europe】 ● ● ●



【China】 ● ● ● ●



【North America】 ● ●



【Southeast Asia】 ●



【Japan】 ● ● ●

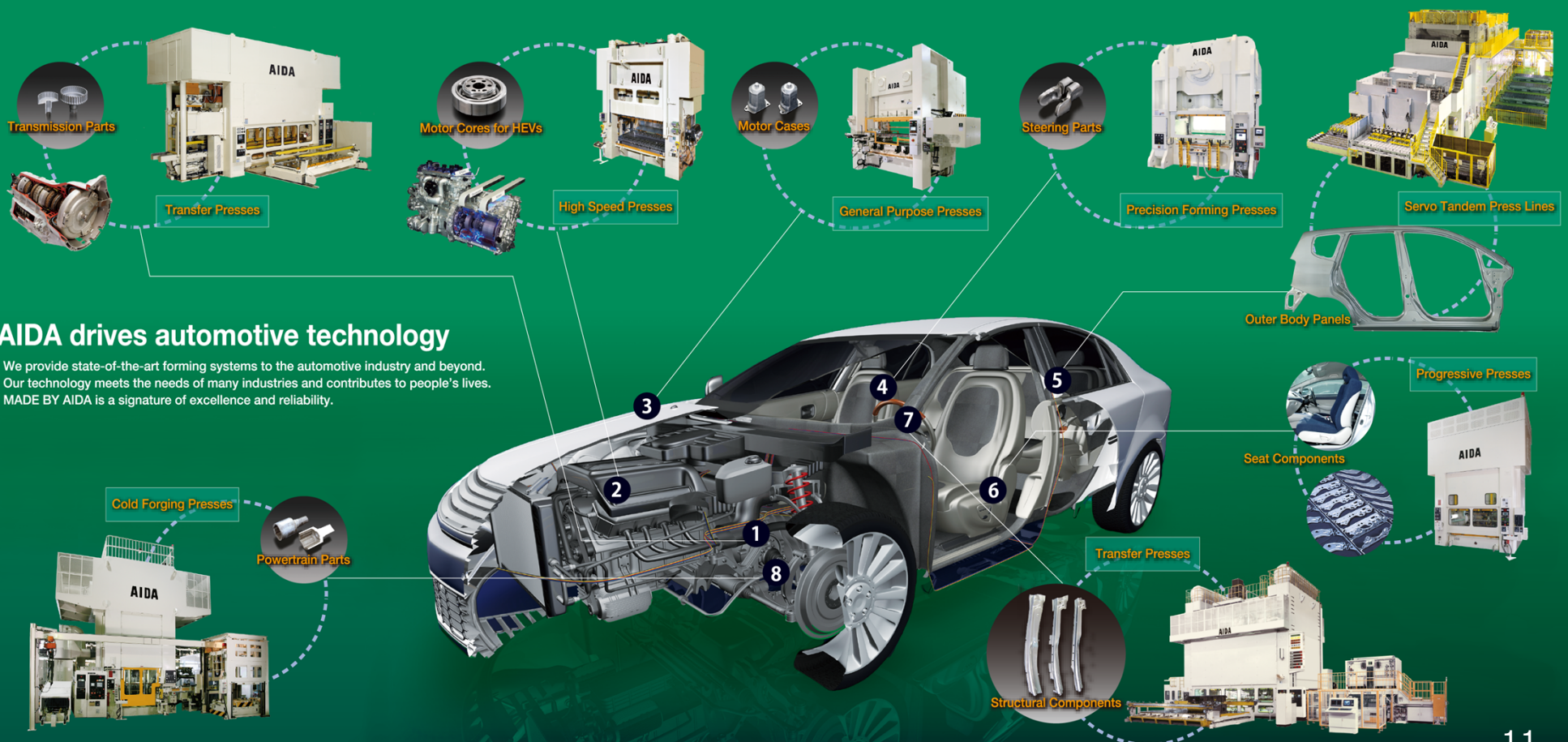
● Running Line  
● On order  
(under Production)



# Product Lineup 1

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**AIDA's product lineup contributes to manufacturing of automobiles**  
**Our Technology is used to manufacture various parts and components**





# Product Lineup 2

## High Precision & Rigidity Press (UL Series)

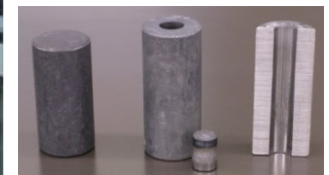
Building our Future

## Ultimate press with higher accuracy than dies

**Answering expectation for a high precision · high rigidity press in multi-stage high added value cold forging technology. High value added shape · net-shape forming · improved die life · stable production run**



1. Improved run-out and bending accuracy Cup · shaft · precision slug/blank making
2. Improved product height accuracy
3. High accuracy multi-stage transfer forming  
Conventional 3~5 stages→7 stages or more
4. Integrates in one line by taking in pressing stage including precision shearing at post-stage
5. Developing to large forged parts
6. Shortens trial and adjustment time Less effect of die height adjustment to adjacent processes





## Product Lineup 3 High Speed Automatic Press

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The MSP Series was developed in 2002 for better dynamic accuracy

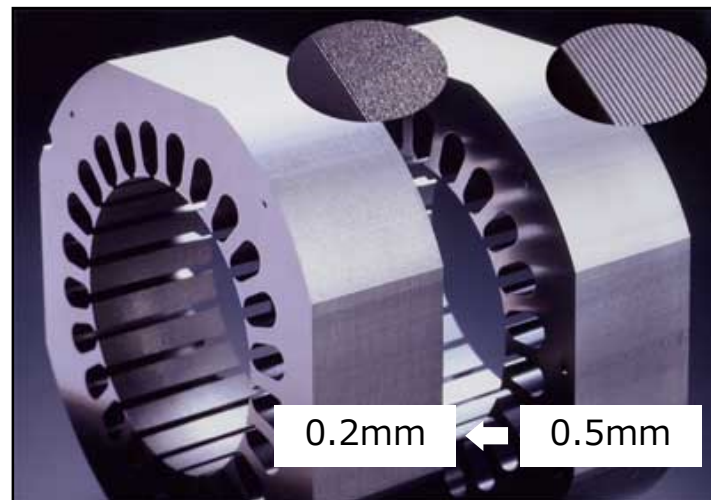
AIDA's thin plate precision blanking machine  
(High Speed Automatic Press for Motor Cores)

AIDA holds approx. **63%**  
domestic market share

(Estimated from Japan Forming Machinery Association data)



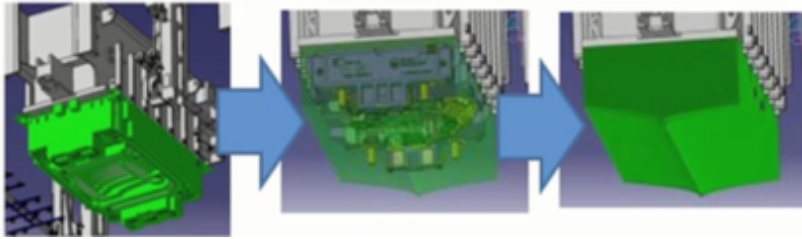
Electric Power Steering Motor (EPS)



MSP-3000

## CONCEPT

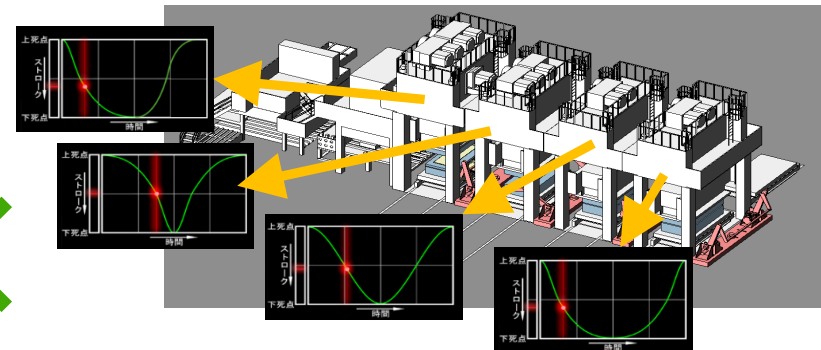
- Precision Forming ..... Programmable slide speed for optimal forming
- High Productivity ..... Newly developed high speed transfer feeder allows high productivity and optimized transferring.
- High Versatility ..... Optimal motion setting for forming application



Automatic input of interference area on 3D CAD Die model

Optimal transfer path can be set according to die design

Optimal transfer motion setting



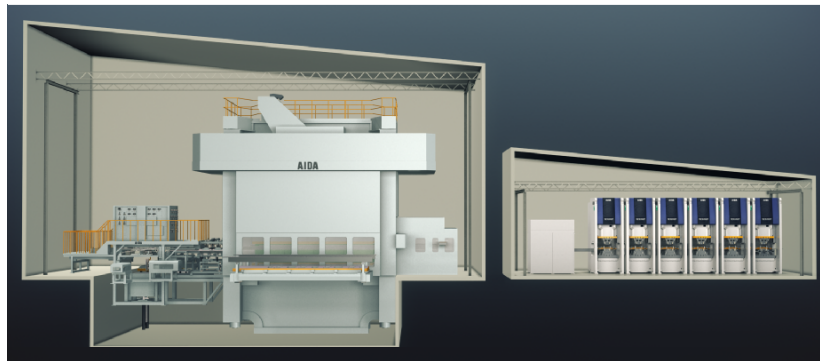
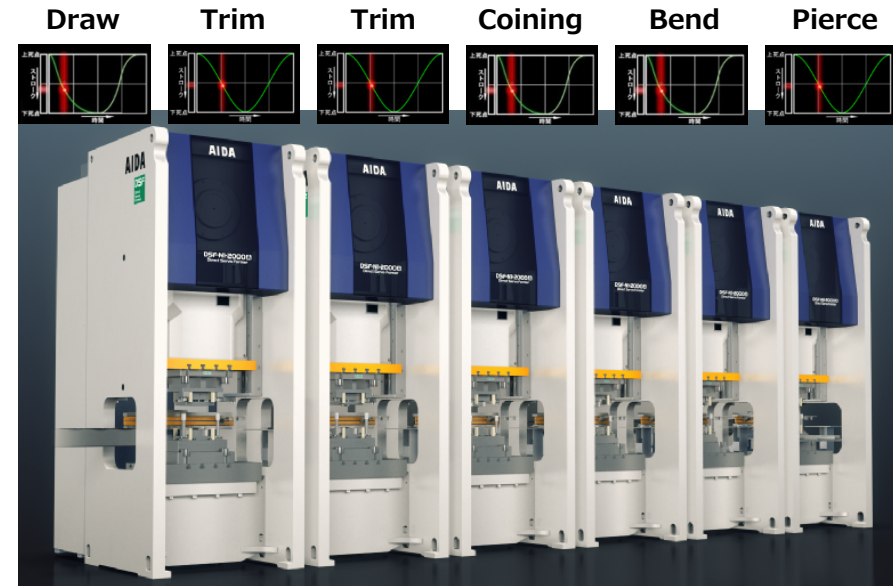
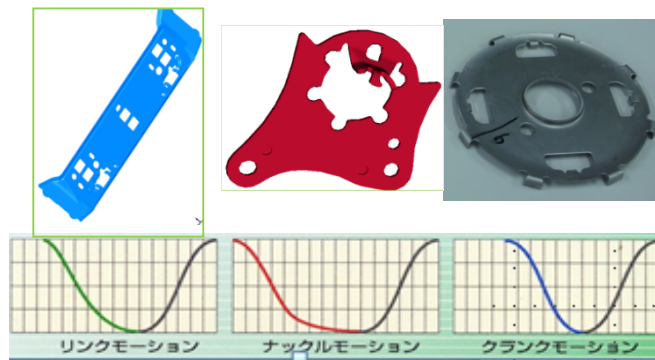
Optimal press motion setting according to forming process

**Non-interfering and fastest motion are simulated and real machine operates as simulated**



## Product Lineup 5 Compact High Speed Servo Tandem Line **Building our Future**

One-Station One-Press enables setting of optimal motion for each forming stage



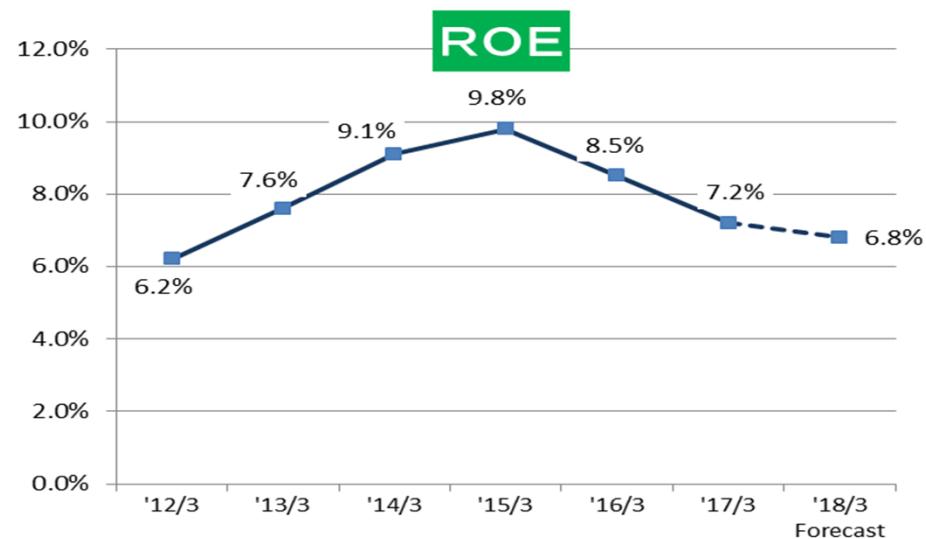
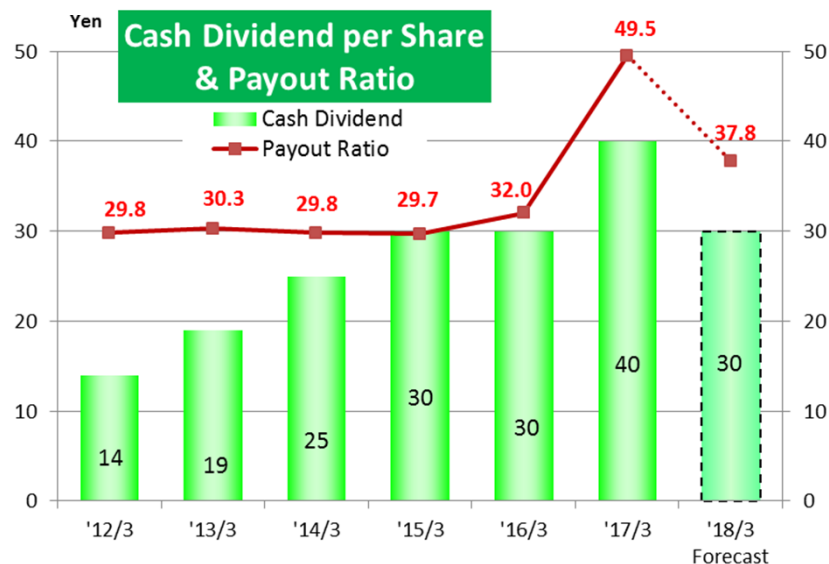
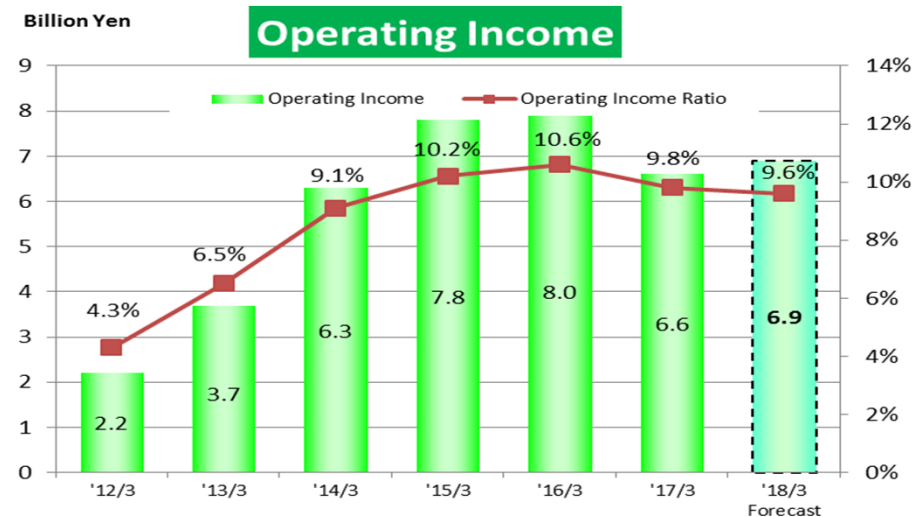
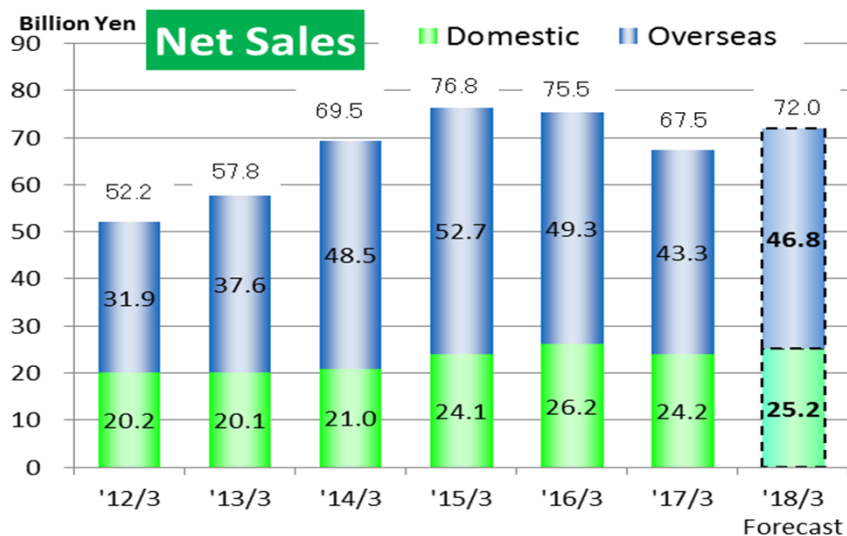
## Ultimate Space Efficiency

Pit-less system requiring no high building.  
Achieving high productivity and investment reduction



# Financial Results and Forecast

Building our Future

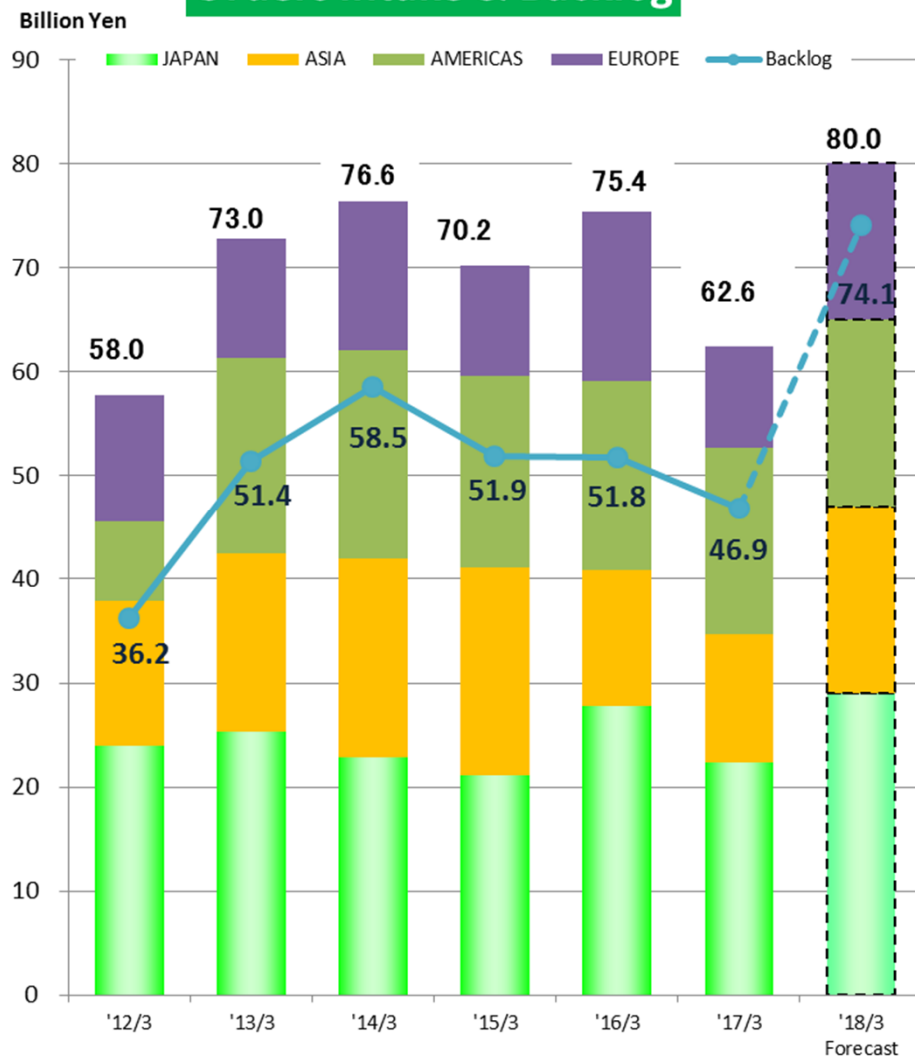




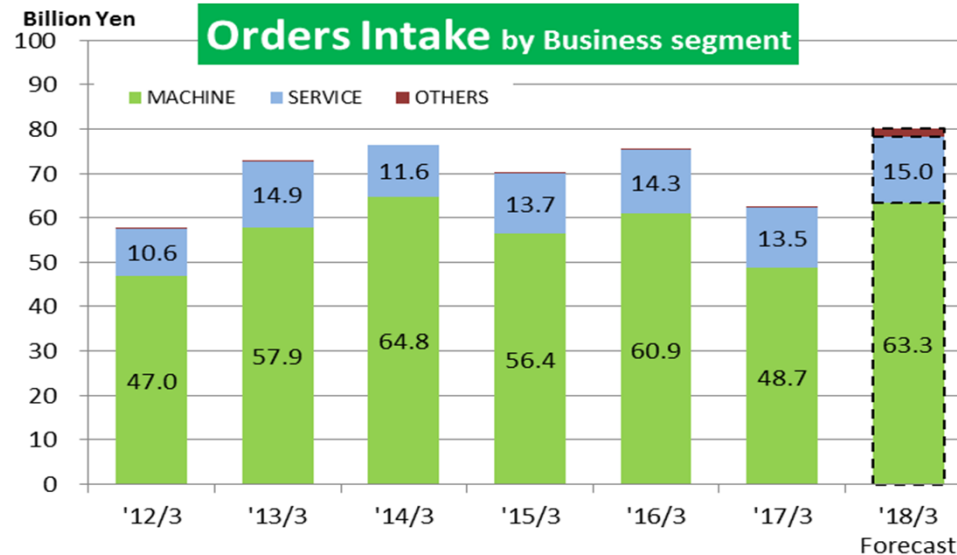
# Orders Intake & Backlog

Building our Future

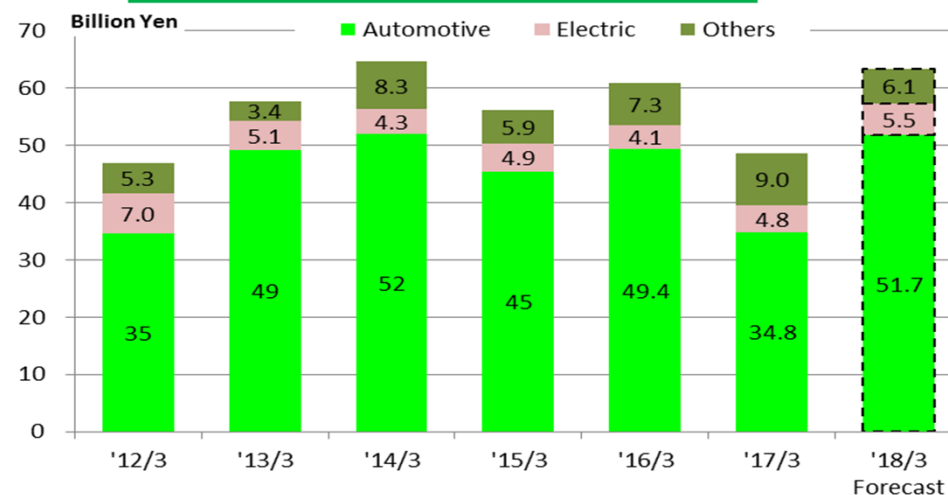
## Orders Intake & Backlog



## Orders Intake by Business segment



## Machine Orders Intake by industry



Thank you for your kind attention

18

We will grow and develop globally  
as a forming systems builder and continue  
our contribution to people and community.





## **Cautions about forecast statements contained in this package**

- **The information in this package contains future forecasts.**
- **Future forecasts contained in this document are based on the judgment of company management based on currently available information. Although the future forecasts are based on or grounded in assumptions, future economic circumstances and actual business results may differ from these assumptions.**
- **Although the Company or its management is stating its expectations and/or convictions regarding future results, this does not guarantee that these expectations or convictions will be realized, nor does it guarantee that the actual results will be close to the forecasts. Moreover, the Company does not assume any obligation to update or revise any forecasts unless otherwise stipulated by law.**

**February 2018  
AIDA ENGINEERING, LTD.**