

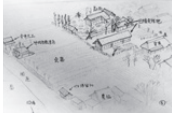
# HISTORY OF NISSEI

## NISSEI continues to innovate and raise the bar for injection molding technologies...

NISSEI has been dedicated to producing injection molding machines with their founding spirit of being a molding processor as its root. With the founder Katashi Aoki's motto of "Going Specific, Deeper, and Unlimited," NISSEI continues to innovate and raise the bar for injection molding technologies in the global market.

1947

Founder **Katashi Aoki** inaugurated a plastics processing business in his hometown Sakaki upon returning from Manchuria after WWII.



1957

Reincorporated as **Nissei Plastic Industrial Co., Ltd.** Injection molding machine **YD-2 Type** developed and shipped.



1960

The first exported machine **AU-1 Type** shipped to the US.



1967

The world's first injection blow molding machine **IB-M Type** developed.



1968

**Nissei School** opened.



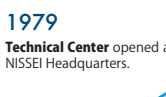
1971

"Silent" injection molding machine **FS-75 Type** developed. The 3rd Plastics Grand Prize received.



1975

**Japan Plastics Machinery Association** founded. **Katashi Aoki** inaugurated as their first chairman.



1979

**Technical Center** opened at NISSEI Headquarters.

1980

**SSE System** developed: revolutionary energy-saving hydraulic control system.

1983

**MM-5 Type** developed: the world's first electric servomotor driven injection molding machine.

1991

Stock listed on the 2nd section of Nagoya Stock Exchange.

1992

**UH1000** developed: the world's fastest ultra high-speed filling IMM (1,000 mm/s.)

1996

**ISO9001** acquired. Affordable super-large IMM **FV9200 Type**, all-electric IMM **ELJECT**, high-speed IMM **FC Type**, and multi-material IMM **DC Type** with the new clamp unit developed.

1999

**ISO14001** acquired.

2000

Stock listed on the 2nd section of Tokyo Stock Exchange. **Hozumi Yoda** appointed as president. **Magnesium alloy IMM FMg300 Type** developed.

2001

Stock listing re-designated to the 1st sections of Tokyo and Nagoya stock exchanges.

2002

The all-new all-electric IMM **NEX Series** developed.



2005

**PNX Series** developed: new injection molding machine with the hybrid pump system "X-Pump."

2009

NISSEI's first overseas production subsidiary **Nissei Plastic Machinery (Taicang) Co., Ltd.** established in Taicang, China.



2010

**N-PLAJET** developed: injection molding system that processes plant-based **PLA** (polylactic acid) material.

2012

**Nissei Plastic Machinery (Thailand) Co., Ltd.** established as a production subsidiary.



2013

**Nissei Metal Works Co., Ltd.** established as a parts production subsidiary in Joetsu, Japan.

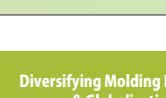


2014

Sales Promotion Sec. 1 (current Sales Promotion Department) established as a global sales base in downtown Tokyo. Large hybrid type IMM **FVX-III Series** developed.

2015

The second factory of **Nissei Plastic Machinery (Taicang) Co., Ltd.** established and ISO9001 acquired.



2016

US production subsidiary **Nissei Plastic Machinery America Inc.** established.



2017

**Nissei Homma Machinery Co., Ltd.** established in Akashi City, Hyogo, Japan.



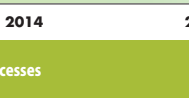
2020

Italian IMM maker **Negri Bossi S.P.A.** acquired and became NISSEI's subsidiary. Global 5-pillar production structure established.



2022

NISSEI's 2nd Chinese production subsidiary **Nissei Plastic Machinery (Haiyan) Co., Ltd.** established in Zhejiang Province.



Number of Unit Shipped

1947 1957 1962 1967 1972 1977 1986 1992 1999 2006 2014 2020 2022

At the Dawn of Plastics & Founding of NISSEI  
1940-1959

Sign of Economic Growth & Technological Innovations  
1960-1969

Rapid Economic Growth & Establishment of NISSEI Brand  
1970-1979

Ever-Changing Times & Meeting New Needs  
1980-1999

Diversifying Molding Processes & Globalization  
2000-

## History of Machine Productions



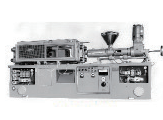
YA-1 Type

YA-1 Type was developed in August of 1955. Many ideas NISSEI's founder Katashi Aoki attained through running the mold processing operation, such as controlling the valves with cams, were incorporated into this injection molding machine. This machine became the turning point for NISSEI to become an injection molding machine maker.



YD-2 Type

YD-2 Type was manufactured in October of 1957. It was hydraulically driven, which was revolutionary at the time, and gained a reputation as "nimble injection molding machine."



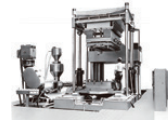
TS-100 Type

As the first of its TS Series, TS-100 type was debuted in March of 1963. It was considered as a masterpiece, which combined the rotary ram inline screw type injection unit that offered the best plasticization performance with NISSEI's original direct-pressure + mechanical clamping unit.



FS-75 Type

The FS Series was debuted as completely redesigned version of highly-reputed TS Series. 250-FS was developed in December of 1970 as a high-cycle machine for the US market. FS-55 Type was released in February of 1971. "Silent Injection Molding Machine" was developed in 1972, attracted wide attention in the industry. Many of these machines are still in active duty today.



ULV-1 Type

Super large ULV-1 type was developed in 1971. Demonstrations were held between April 28th-30th in 1971. ULV-1 had the following feature:

- Clamping force: 4,500tons
- Vertical slide type mold mount/unmount
- High-pressure clamping
- 3-stage mold open/close and product ejection



MM-5 Type

The world's first electric servomotor (precision control) driven "Ultra-Stable Micro Precision All-Electric Injection Molding Machine" MM-5 type was developed for high-mix low-volume production of ultra-small molded products. It revealed in June of 1983.



UH1000 Type

UH1000 Type was developed in February 1992 as an ultra-high-speed filling injection molding machine. Its digital servo-controlled closed loop system allowed it to achieve 10 to 20 times faster injection velocity and highly repeatable control.