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Hydraulics+Electronics

THE PLACE WHERE
DREAM HYDRAULICS BEGINS

N NEWWAVE



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DREAM HYDRAULICS BEGINS

Our company has been engaged in the hydraulic field since 1987 and provides various services related to hydraulic pressure to customers based on accumulated professional hydraulic knowledge and practical experience.

NEW WAVE

Greetings

Based on professional hydraulic knowledge and practical experience accumulated while working in the hydraulic field since 1987, NEW WAVE Co., Ltd. Hydraulic-related work consultation to customers, hydraulic system design, order production, hydraulic test equipment production, hydraulic parts production, inventory sales, etc. provides a variety of services.

Pursuing **"the best service, the best price competitiveness"**, we have been constantly striving to become a company that develops together with our customers.

As a result of continuous efforts to improve technology and reduce costs of our main products, 5-chamber solenoid valve and multi-function cartridge valve we are currently designing and producing products in accordance with the product standards required by customers, so that we can approach our customers with the best quality and price.

With the belief that having international technology and price competitiveness is gradually becoming global and the way to stay ahead of the times, we are striving to make internationally competitive products by striving for technology development and active facility investment.

Overview

Company	NEW WAVE CO., LTD
CEO	Sangki Hong
Establishment	June 2013
Address	45, Gongdan 1-daero 379beonan-gil, Siheung-si, Gyeonggi-do, Republic of Korea
Tel	Tel. +82-31-497-8145 Fax. +82-31-497-8146

Provided field / Service

Provided field

- Cartridge hydraulics system
- Hydraulics machine
- Hydraulics valve
- Hydraulics pump
- Manufacture of hydraulics tester
- Proportional valve system
- Electrohydraulics control system

Service

- Hydraulics related work consultation
- Hydraulics system design
- Custom order
- Manufacture of hydraulics test equipment
- Manufacture of hydraulics parts
- Stock sale

"BEST SERVICE, BEST PRICE COMPETITIVENESS"

The Path That NEW WAVE Co., Ltd. has Walked

History

2023's

April

Technology Guarantee Fund Incheon
Innovation Plus (+) 100 Enterprise Certification

February

Registered design patent -
valve housing of solenoid valve

January

Venture company certification

2022's

December

Establishment and recognition of
corporate affiliated research institute

October

Acquired technology innovative
small and medium business certificate

September

ISO14001 environmental management
system certification

August

Registered patent - hydraulic speed increasing system
Registered design patent - Core body for air valve
Registered design patent - Packing for valve block

February

Introduction of job invention compensation
regulations

2021's

August

ISO9001 quality management system certification

May

Selected as the leading organization for the process
quality technology development project by the

February

Registered Patent - Hydraulic Control Valve

January

Patent Registration -
Hydraulic Control System for Saw Machine

2013's ~

January 2020

Recognized as a research and
development department

October 2018

Development and supply of tractor light center
horizontal control valve and medium speed
medium pressure valve for construction machinery

November 2015

Development and supply of control valves for
Hyundai excavators and specially equipped vehicles

October 2014

Developed and supplied control valves for tractor T/M

April

Registered patent - Spool valve

June 2013

Established NEW WAVE Co., Ltd.



Management Philosophy

"No. 1 Hydraulic Solution Company Growing Together With Customers"



NEW WAVE Co., Ltd. operates a company in accordance
with the ESG management guidelines.

Challenging run

Talent Respect



Establishment of a management system that meets international standards

We implement corporate management that meets global standards.

Certification status

From quality/environmental management system certification to technologically innovative small and medium-sized enterprises (Inno-Biz) certification, we manage companies in accordance with domestic and international standards.



ISO9001



ISO14001



Corporate affiliated research institute



Technologically innovative SMEs

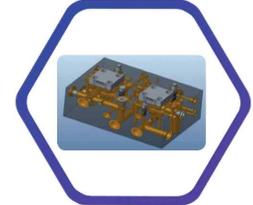


Venture company

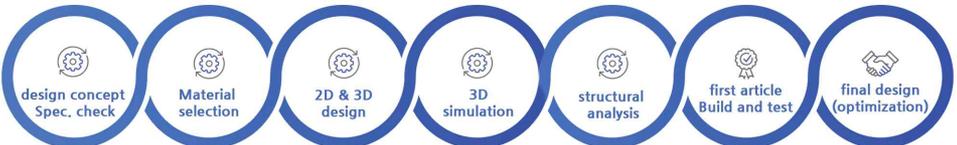
Development Process and Design

Modeling Tools

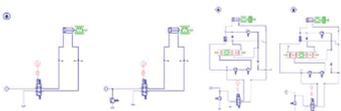
Division	Modeling Tools	Quantity
2D Modeling	CADian	2
3D Modeling	Solidworks	1
CAE Simulation	Soildworks Simulation	1



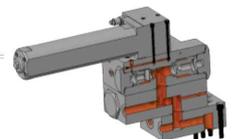
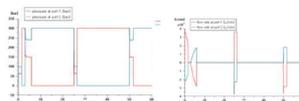
Development Process



Hydraulic Circuit Simulation



Hydraulic Valve Block 3D Modeling & Simulation



Facility Status

Production Facility Status



Clean Room Assembly Workshop Material Parts Warehouse performance test bench Performance Test Power Unit

Quality control status

Quality control status Performance test for all shipped products

We strive to guarantee the quality of all products by conducting all performance tests before shipment.



Competitiveness

A Company That Creates New Things According to Customer Needs



for technical improvement
steady research and development



Solid price competitiveness through cost reduction"



Bold facility investment to secure competitiveness



New market pioneering spirit such as remote control system



Major Development Products

Agricultural machine hydraulic control device

We are developing and supplying agricultural machine tractor work device digging, horizontal hydraulic control device, PTO connection hydraulic control device, variable speed hydraulic control device for automatic T/M, control valve for loader, etc.

We are developing and supplying forward and backward horizontal (pitching) hydraulic control devices and left and right horizontal (rolling) hydraulic control devices for combine models.






Tractor digging and horizontal control system
Deep core, horizontal hydraulic control device



PTO Control Valve
PTO connection hydraulic control device



T/M Proportional Control Valve
4-wheel drive, quick turn hydraulic system







T/M Control Valve
We are developing and supplying hydraulic control devices for front and rear horizontal (pitching) and left and right horizontal (rolling) agricultural machine combine models.



Front / Back / Left / Right (Pitching | Rolling) Control VALVE
We are developing and supplying hydraulic control devices for front and rear horizontal (pitching) and left and right horizontal (rolling) agricultural machine combine models.





horizontality

Major Development Products

Hydraulic control device for special vehicles

We develop and supply various hydraulic control valves such as boom control valves, outrigger control valves, and entidrift control valves used for special vehicles such as various special vehicles, articulated cranes, aerial construction vehicles, and truck cranes.



ARTICULATED CRANE



MANUAL CONTROL VALVE
Articulated crane working device
MANUAL CONTROL VALVE



AERIAL WORK TRUCK



PRESSURIZER BOOSTER
VALVE that boosts the force up to 800 BAR when compressing a Special vehicle for electrical work



PROPORTIONAL CONTROL VALVE
Control valve for aerial work platform



ELECTRONIC CONTROL VALVE
Electronic control valve for small truck crane



CONTROL VALVE
Control valve for aerial work platform



NEWWAVE

Major Development Products

Hydraulic control device for construction machinery

We are developing and supplying various control valves turning priority control valves, and anti-lift control valves for construction machinery excavators, and transmission control valves for loader models and various attachments for excavators such as shears, crushers



Aircraft and industrial test facility hydraulic control device

We are researching and developing landing gear control devices for aircraft, and manufacturing and supplying various industrial machines and test facilities such as hydraulic durability test equipment for various industrial machines, hydraulic control units for steelmaking facilities, hydraulic equipment test benches, and hydraulic power units.



Power Unit for hydraulic equipment performance test Tractor hitch operation durability test device Hydraulic power unit for T/M durability test Hydraulic equipment performance test bench

Landing gear EHC device for Surion



Major Development Products

Hydraulic control device for shipbuilding and submarine

We develop and supply various control valves for shipbuilding and submarines, turning priority control valves, and ent-drift control valves. We also develop and supply transmission control valves for loader models and speed-up and pressure-increasing system modules for ships.

SHIP





SUBMARINE

K9 VALVE
Control valve for SUS for pressure and direction control





Hydraulic motor and control valve for winch
Ship's gate valve and flow control valve

High-precision subminiature valves for medical devices such as ventilators and bio labs

We have developed anti-ultra-precision small air solenoids and proportional control valves and supply them to artificial respirators, respiratory therapy devices, and bio lab testers.






- **Ultra-precision small proportional VALVE**
High-precision subminiature valve for BIO LAB Proportional VALVE
- **Ultra-precision small air solenoid valve**
High-precision subminiature valve for BIO LAB Air Solenoid VALVE

Critical Care / Mobile Ventilator




Non-invasive respiratory therapy machine



Major Development Products

Hydraulic control device for industrial machinery

We develop and supply hydraulic control devices for various industrial machines throughout the modern industry. Machine tools, forklifts, scissor lifts, loading platforms, recycling boards (garbage, paper and scrap presses), deforestation boards and woodworking machines, sheet metal bending presses, shoe manufacturing, leather processing machinery, sheet metal and machinery for the building industry, power We can develop and supply all products to which hydraulic control devices are applied, such as saws, snowmobiles, grit and salt spreaders, etc.



INDUSTRIAL MACHINERY



BENDING MACHINE VALVE ASS'Y
Accurate bending of materials with high-speed and low-speed functions
Smooth operation with Shock-less valve function



SHEARER VALVE ASS'Y
Smooth operation due to built-in shock-less valve
Cycle time is shortened with the speed increase system function when descending



SAW MACHINE CUTTING FEED-SERVO VALVE
0.001~0.2 RPM fine flow control
CUTTING SPEED CLOSED-100P CONTROL VALVE

Hydraulic control device for mobile

We are developing and supplying hydraulic control valves for mobile products. Forklift control valve, TM valve, potato harvester, ginseng harvester control valve, lift, POWER-PACK and control valve ASS'Y for wing body, crane, aerial work platform, electric construction Proportional manual valve and turning motor for special vehicles, road sweeper, We can develop and supply all hydraulic valves for mobile machines such as the power system of snow removal vehicles.



FOR MOBILE



EPPR VALVE FOR SKID LOADERS
QUICK COUPLER VALVE ASS'Y



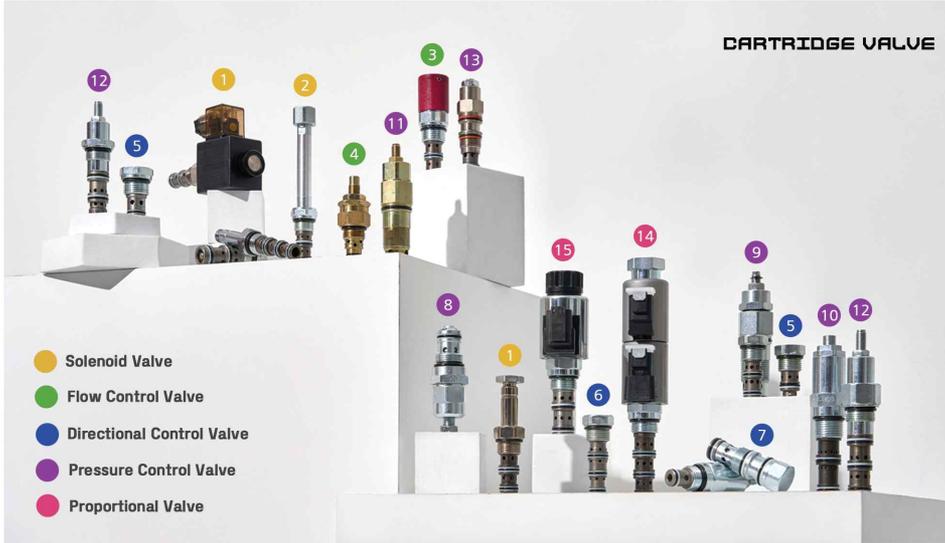
POTATO HARVESTER CONTROL VALVE
Left and right horizontal control function (low speed, high speed mode)
LIFTING 2-speed control system



ROAD SWEEPER PROPORTIONAL CONTROL VALVE ASS'Y
Hydraulic motor control valve using continuous drive motor

Cartridge valve

We develop and supply various hydraulic control valves such as boom control valves, outrigger control valves, and entidrift control valves used for special vehicles such as various special vehicles, articulated cranes, aerial construction vehicles, and truck cranes.



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COMPANY | NEW WAVE CO., LTD

address | 4na-303, 45, Gongdan 1-daero 379beonan-gil, Siheung-si, Gyeonggi-do, Republic of Korea

Tel. +82 31-497-8145 | Fax. +82 31-497-8146 | E-mail. newwave-o@naver.com

