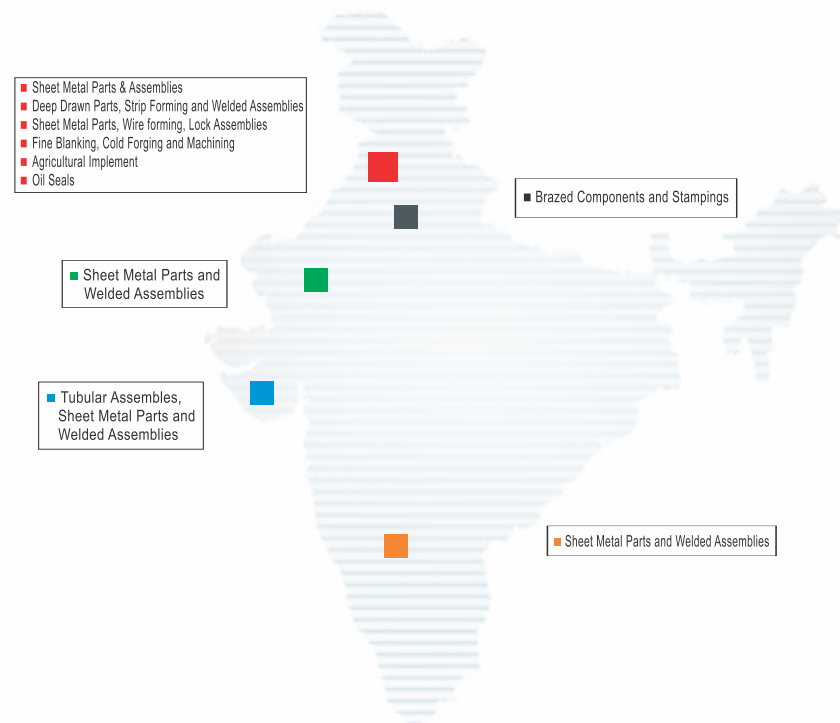


New Swan Manufacturing Facilities



- New Swan Enterprises, Unit I, Ludhiana (Punjab) - Sheet Metal Parts & Assemblies
- New Swan Enterprises, Unit II, Ludhiana (Punjab) - Deep Drawn Parts, Strip Forming and Welded Assemblies
- New Swan Enterprises, Unit VI, Ludhiana (Punjab) - Sheet Metal Parts, Wire forming, Lock Assemblies
- New Swan Autocomp Pvt. Ltd., Ludhiana (Punjab) - Fine Blanking, Cold Forging and Machining
- New Swan Multitech Limited (Agro Division), Ludhiana (Punjab) - Agricultural Implement
- NEWSWAN TECHNOLOGIES LIMITED, Ludhiana (Punjab) - Oil Seals (Engine, Transmission, Gear Box etc.)
- New Swan Components, Manesar (Haryana) - Brazed Components and Stampings
- New Swan Enterprises, Tapukara (Rajasthan) - Sheet Metal Parts and Welded Assemblies
- New Swan Multitech Limited, Vithlapur (Gujarat) - Tubular Assemblies, Sheet Metal Parts and Welded Assemblies
- New Swan Enterprises (Bangalore) - Sheet Metal Parts and Welded Assemblies

www.swanindia.com



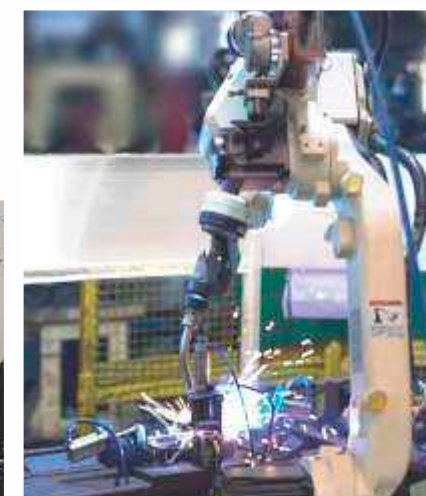
622, Industrial Area B, Ludhiana - 141003 INDIA Tel. : + 91 - 161- 4346000 Email : info@swanindia.com

www.facebook.com/newswangroupofficial www.instagram.com/newswanofficial www.linkedin.com/company/newswangroupofficial



New Swan

AN IATF 16949:2016 & ISO 14001:2015 CERTIFIED CO.



Group Profile

New Swan has become leading Tier 1 supplier of Automotive Components to Original Equipment Manufacturers (OEMs). Today New Swan is Group of ten companies and having presence in Northern and Western India. Established in 1985. We are AN IATF 16949:2016 & ISO 14001:2015 CERTIFIED CO.

For more than 3 decades New Swan has competently applied technology in manufacturing and has made significant contributions to the automotive industry. New Swan has also made its presence overseas and supplying to OEMs.

New Swan have three **technical tie-ups (TAA)** with International Companies to produce Cold Forged Parts, Oil Seals and Agricultural Implements. Also New Swan has **50:50 Joint Venture** with Polish Company for manufacturing of Sump Plugs and Heat Shields.

Not limited to the Automotive Industry New Swan has opened its horizons in Agriculture field as well, and is well known name in Industry. Product design and engineered for efficiency with an emphasis on enhanced comfort levels and quality standard New Swan has gained good share of market in this field.

The development of group is driven by the principles of Quality Circles, Kaizen and 5S activities.

The core strength of organization resides in the knowledge, dedication and values of our people. The value of our products is complemented by large no of OEMs. We work in team and we value individual

to make work harmony. The success mantra of New Swan "Team Work".

We manufacture (fine blanking) transmission parts and assemblies, gear shifting mechanisms, timing sprockets, engine parts, body parts, automotive locks, exhaust parts and mountings for motorcycle, car and commercial vehicle segment.

We give solution to customer under one roof, we have all facility to manufacture under one roof.

Manufacturing facilities:

- Fine Blanking
- Stamping/Pressing
- Well equipped Tool Room
- Welding (MIG/TIG - Robotic)
- Surface treatment / Powder coating (Automatic)/ Hot dip Galvanizing
- Duplex Grinding
- Cold Forging
- Heat Treatment (SQF) with SCADA
- Well equipped Standard Room
- Oil Seals
- Sump Plugs and Heat Shields

New swan will embrace all future challenges with the same enthusiasm and dedication that has brought us today's level of competence.

Our vision is to create a culture to deliver value to our customers and associated partners.

Technical Assistance Agreement and Joint Venture

TAA : Cold Forging Products (Gunma Seiko, Japan)

New Swan has entered into Technical Assistance Agreement for manufacturing of Cold Forged Parts of Steel and Aluminum. With joint aim to cater Automotive sector with Quality and Competitiveness.



TAA : Agricultural Implements (Euro System, Italy)

New Swan has entered into Technical Assistance Agreement for manufacturing Agricultural Implements with Italian Company in 2016.



TAA : Oil Seals

New Swan has entered into Technical Assistance Agreement for manufacturing of all types (Engine, Transmission, Gear Box etc.) of Oil Seals with Japanese Company. We have formed a new company NEWSWAN TECHNOLOGIES LIMITED to cater Automotive, Agricultural Industry, Railways and other Industrial applications.



Joint Venture : POLSKA NEWSWAN PVT. LIMITED

New Swan has entered into Joint Venture (50:50) for manufacturing of all types of Sump Plugs, Heat Shields and Precision Machine Parts. The motive of this venture is to provide international quality at competitive prices. The products produced under this venture will also be exported to European and other countries.



Quality Certifications



Infrastructure & Capabilities

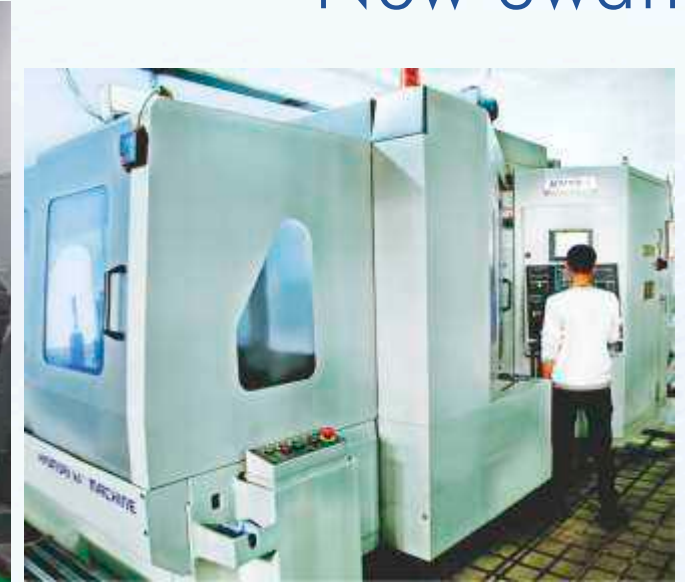


New Swan

- Tool Design
- CMM (Carl Zeiss)
- Contour Tracer
- Profile Projector
- Microscope for Heat Treatment
- Testing Lab



New Swan





NEWSWAN TECHNOLOGIES LIMITED

Manufacturer of all types of Oil Seals for Engine, Transmission, Gear Box etc.

Our Facilities

We have state-of-the-art modern plant and which is fully temperature and humidity controlled. Our testing lab is equipped with latest measuring and testing equipments. Other facilities are as follows :

- Compression Moulding machines 3RT 100 T / 4RT 250 T
- Automatic rubber weighing and recipe generation system
- Trimming machines
- Automatic spring loading machines
- Automatic grease loading machine with specific control of volume
- Air leak testing machines
- Bonding machines
- Adhesive coating application machine equipped with latest drying technology
- Shot blasting machines
- Adhesive baking oven
- Hydrocarbon cleaning machine specially for stainless steel metal rings
- Mixing and blending machine with latest technology and latest pre cooling machines



Mold Making Machine (5-axis machine)



Mold



Metal Treatment Process



Mixing Mill with Stock Blender



Preformer with Heating Mill



Molding Machines - 3RT-100T



Molding Machine - 4RT-250T



Knife Grinding



Trimming + Auto Spring Loading



Leak Test



NEWSWAN TECHNOLOGIES LIMITED

Manufacturer of all types of Oil Seals for Engine, Transmission, Gear Box etc.

Rubber Testing



Tensile Tester, Densi Meter, Hardness Tester and Moisture Analyser



B-Mixing Baby Mill with Test Sample Molding Machine with oven



Rheometer



Mixing Grader



Mooney Viscometer

Product Testing



CMM



Roughness Tester and Radial Load Testing



Spring Testing



Measuring Microscope



Performance Testing



High Pressure Testing



Standard Pressure Testing



Leak Testing

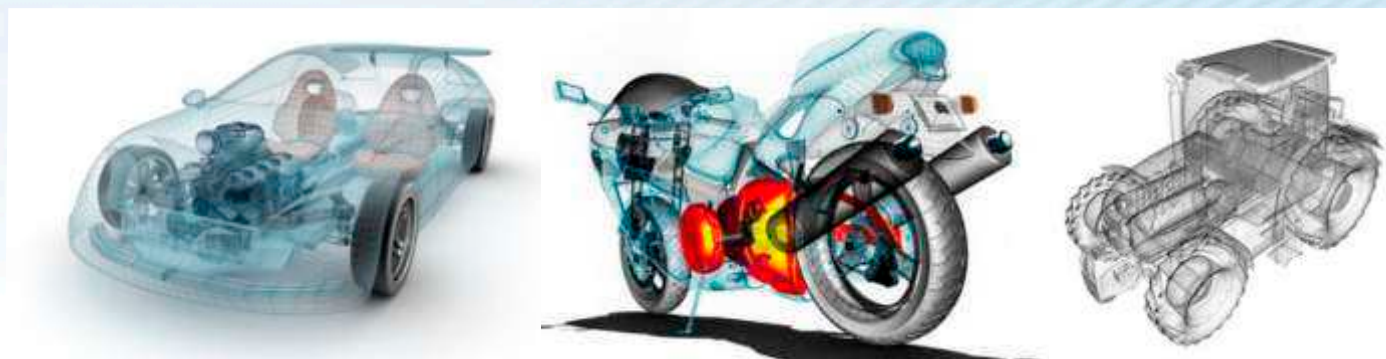


NEWSWAN TECHNOLOGIES LIMITED

Manufacturer of all types of Oil Seals for Engine, Transmission, Gear Box etc.

- Automobiles (Engine, Transmission and Gear box etc.)
- Agricultural Machineries
- Tractors
- Railways
- Industrial Applications

NSTL has a dedicated design based on the customer's request specification, and can provide the optimum material, optimum shape, and the best sealing performance.



	With Spring ¹⁾			Without Spring	
	Rubber O.D. wall ²⁾	Metal O.D. wall ²⁾	Metal O.D. wall with reinforcing inner metal case ^{3) 4)}	Rubber O.D. wall ²⁾	Metal O.D. wall ²⁾
Without minor lip					
Type code	MHS	HMS	HMSH	MH	HM
With minor lip ⁵⁾					
Type code	MHSA	HMSA	HMSAH	MHA	HMA

Features of each type

1. With spring type secures stable sealing performance
2. Rubber O.D. wall type provides stable sealing performance around the seal O.D. surface
3. Metal O.D. wall type ensures improved fitting retention between the seal O.D. and the house bore
4. Reinforcing inner metal case in the metal O.D. wall type protects the main lip
5. With minor lip type is used for applications where there are contaminants, such as dust and foreign matter, on the air side face of the oil seal.



NEWSWAN TECHNOLOGIES LIMITED

Manufacturer of all types of Oil Seals for Engine, Transmission, Gear Box etc.

Seal Type	Type code and shape	Motion	Features	Applications
Perfect Seals	 MHSA...XBT		The hydrodynamic ribs provided in two directions on the air side face of the lip ensures improved pumping effect and higher sealing performance in both rotational directions of the shaft.	Reduction gears input shafts Differential gear sides
Helix Seals	 MHSA...XRT MHSA...XLT		The hydrodynamic ribs provided in one directions on the air side face of the lip ensures improved pumping effect and higher sealing performance.	Engine crankshafts oil pumps differential gear sides reduction gears input shafts
Super Helix Seals	 MHSA...XRT MHSA...XLT		The hydrodynamic ribs (a combination of fixed -width ribs and wedge-shaped ribs) provided in one directions on the air side face of the lip ensures improved pumping effect and enhanced durability.	Engine crankshafts oil pumps differential gear sides reduction gears input shafts
Double Lip Seals	 HMSD MHSD		These seals can separate and seal two kinds of oil or fluid on one shaft	Engaged positions of transfer system





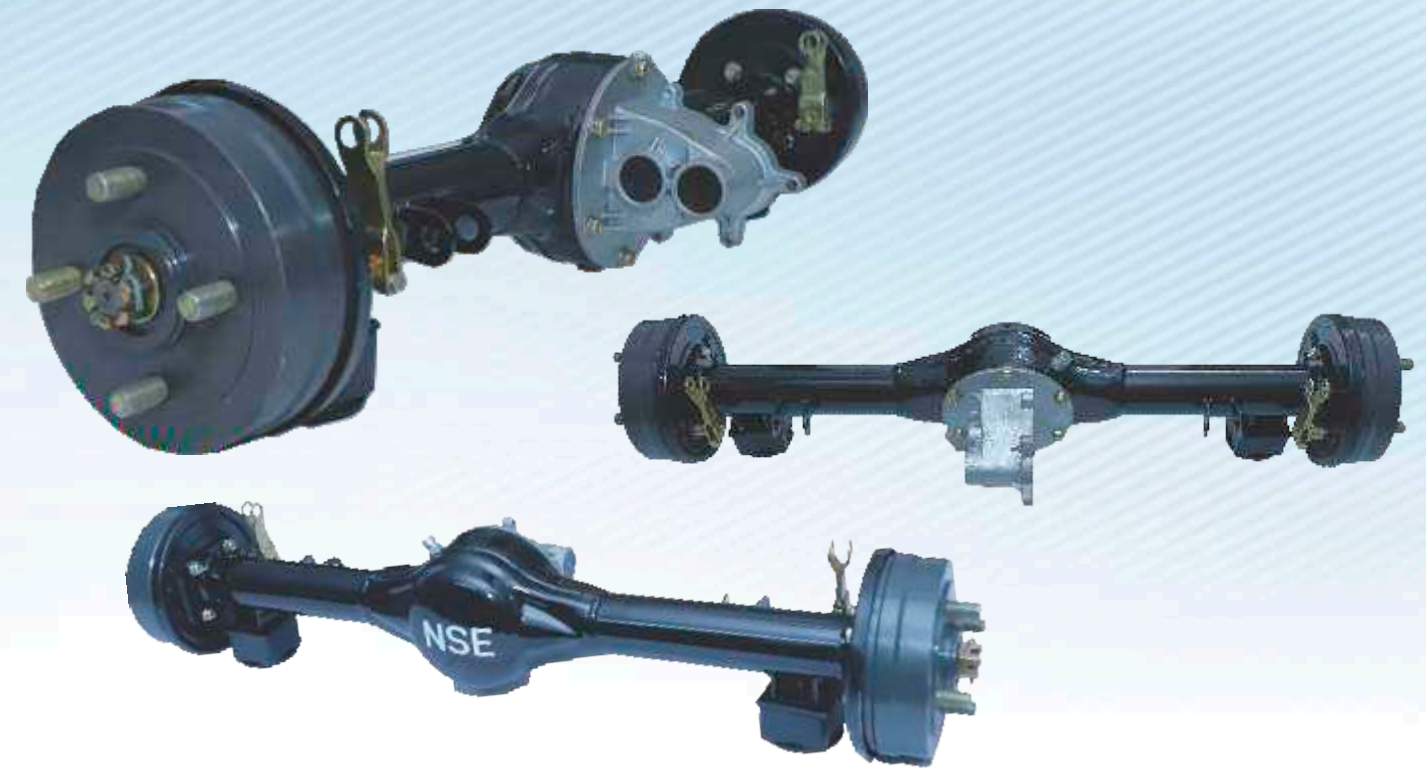
NEWSWAN TECHNOLOGIES LIMITED

Manufacturer of all types of Oil Seals for Engine, Transmission, Gear Box etc.



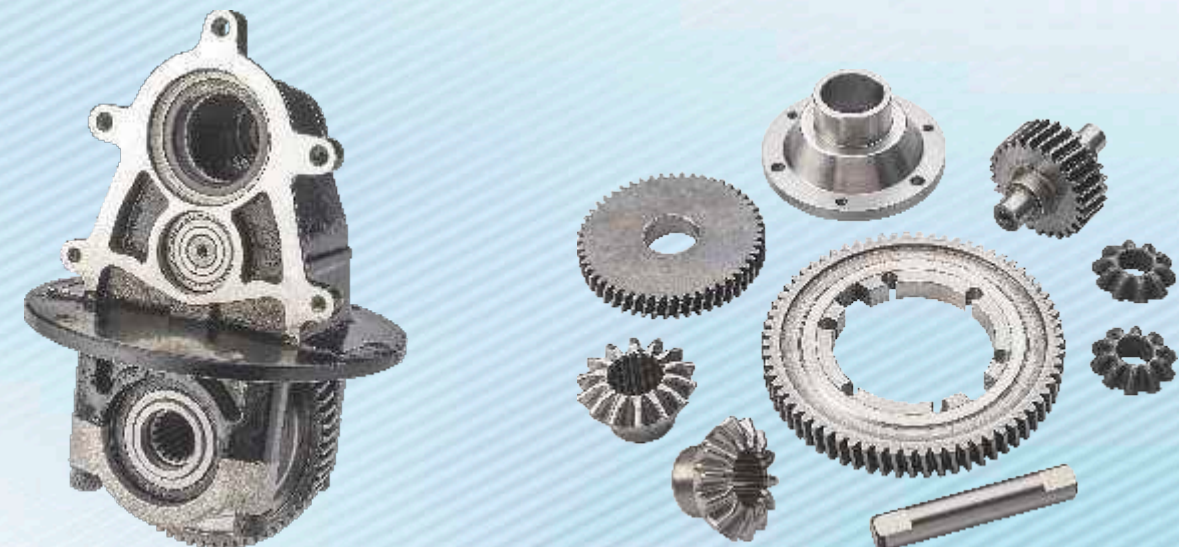
New Swan

Electric Vehicle Axles



Our E-Axles are in-house designed to be compact and offer comprehensive high quality drive solution for Electric Vehicles It has the following features:

- Compact design
- 24 Inch
- 33 Inch
- 35 Inch (can be developed as per customer requirement)
- Cold Forged Gears for higher strength
- Smooth Movement
- Multi Speed
- Light Weight to increase the efficiency of Vehicle





New Swan



Transmission and Precision Assemblies (2/W)



Fine Blanking Parts (Engine, Transmission, Locks, Brake, Door, Seat, Pump etc.)



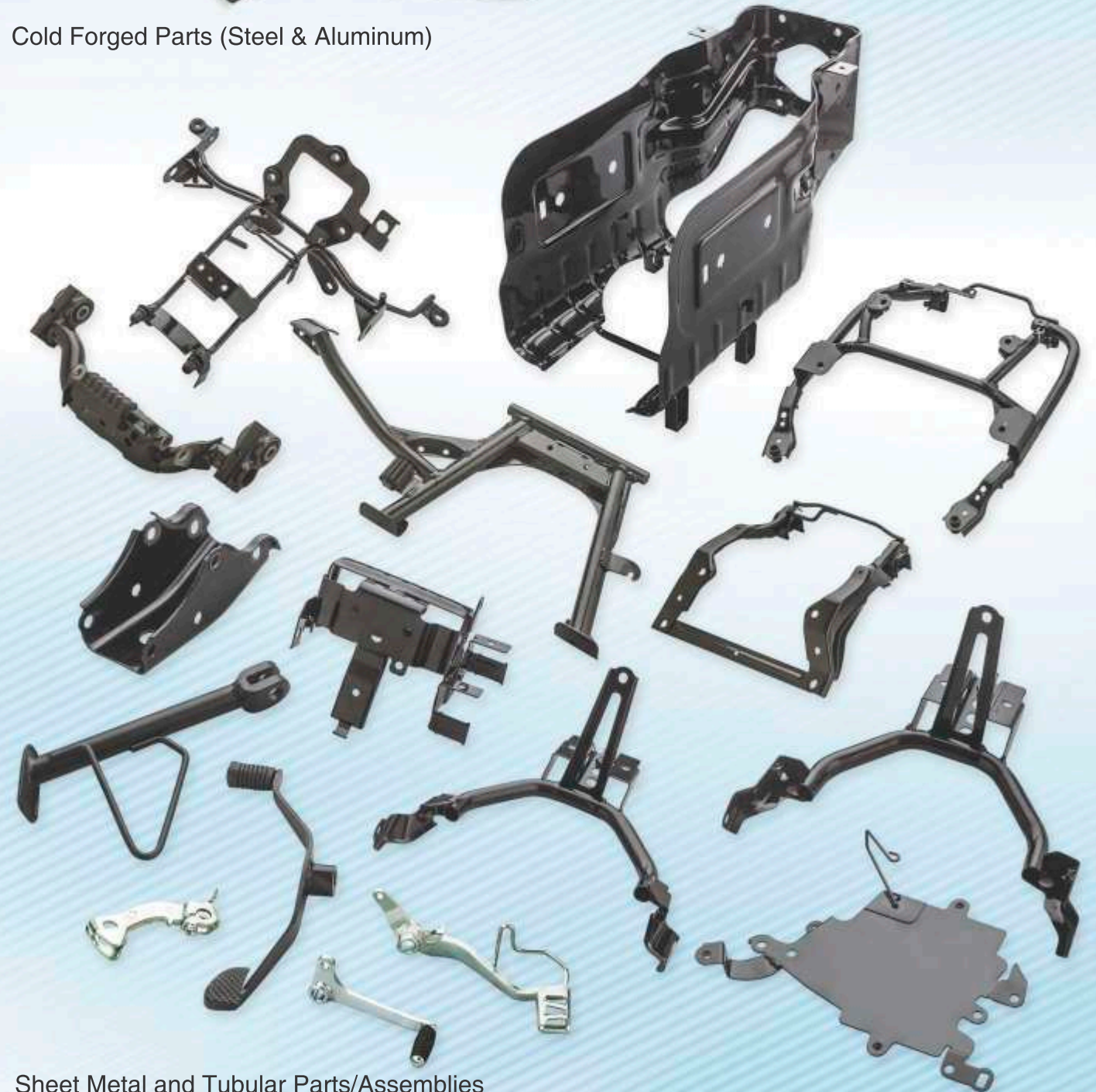
Transmission and Precision Assemblies (4/W)



New Swan



Cold Forged Parts (Steel & Aluminum)



Sheet Metal and Tubular Parts/Assemblies



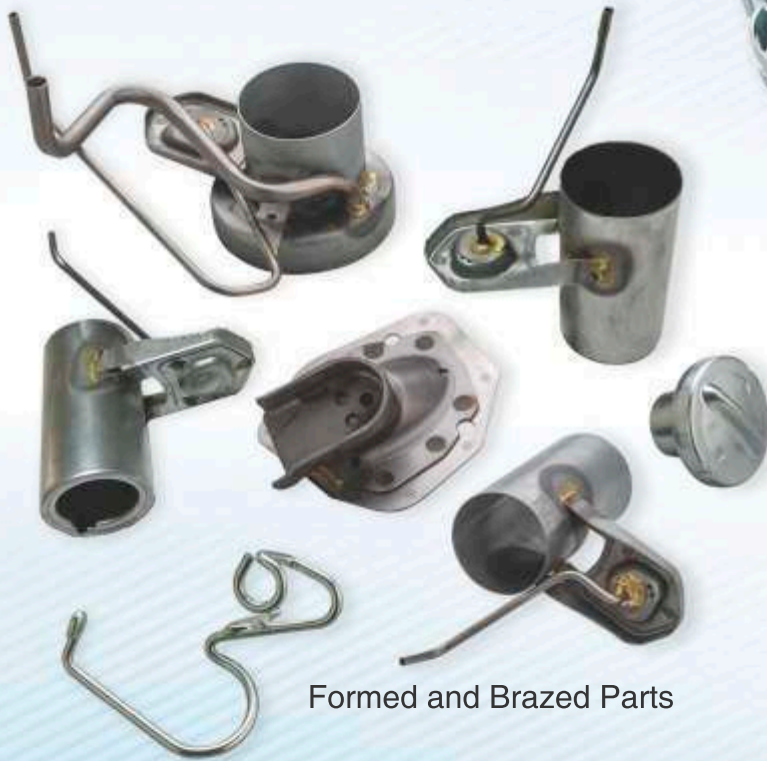
New Swan



Hinges and Lock Assemblies



Hose Clips and Clamps



Formed and Brazed Parts



Exhaust Clamps, Rubber Mountings
and Sump Plugs



Gear Boxes (Single / Multi speed)



Tool Manufacturing Capabilities and Service

New Swan

