



Since 1979

KOREA LOST-WAX

| Investment Casting

| Wax Die

| Machining

Korea Lost-Wax Co., Ltd.

A company that delivery passion to customers
A company that enriches the world with a small component,
We will be a good partner to you.



Korea Lost Wax, a company that can produce products faster and more accurately and seamlessly will realize your needs.

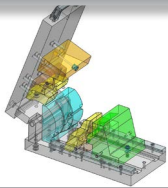
KOREA LOST-WAX



PROCESS DETAILS

01

Design



The know-how of the 40-year design experience ensures that the design reflects the requirements of the products that customer wants.

02

Wax Die



Rapid and the most effective design and Wax Die manufacturing to produce investment casting products.

03

Injection



Depending on the characteristics of the product, various waxes are used to inject wax patterns. Ceramic cores and soluble wax etc., are also used when special features are required.

04

Shell building



The Automatic Shell Dipping Line(ASDL) controls the optimal shell conditions to create a ceramic mold for casting.

05

Dewaxing & Casting



It utilizes various types of furnace (vacuum, atmosphere, aluminum) and size(50kg to 200kg) to meet customer requirements (quality, delivery and quality) depending on the purpose and characteristics of the products

06

Vacuum Heat Treatment



NADCAP-certified vacuum heat-processing equipment can be done for Direct Solidification and Single Crystal(S/X) products.

07

Machining & Assembling



Through various machines (5axis machines, EDM, Profile Grinder), the shape of products that cannot be implemented only through the casting process can be also be produced through precision machining in house. We can also provide the customers with module assembly as required.

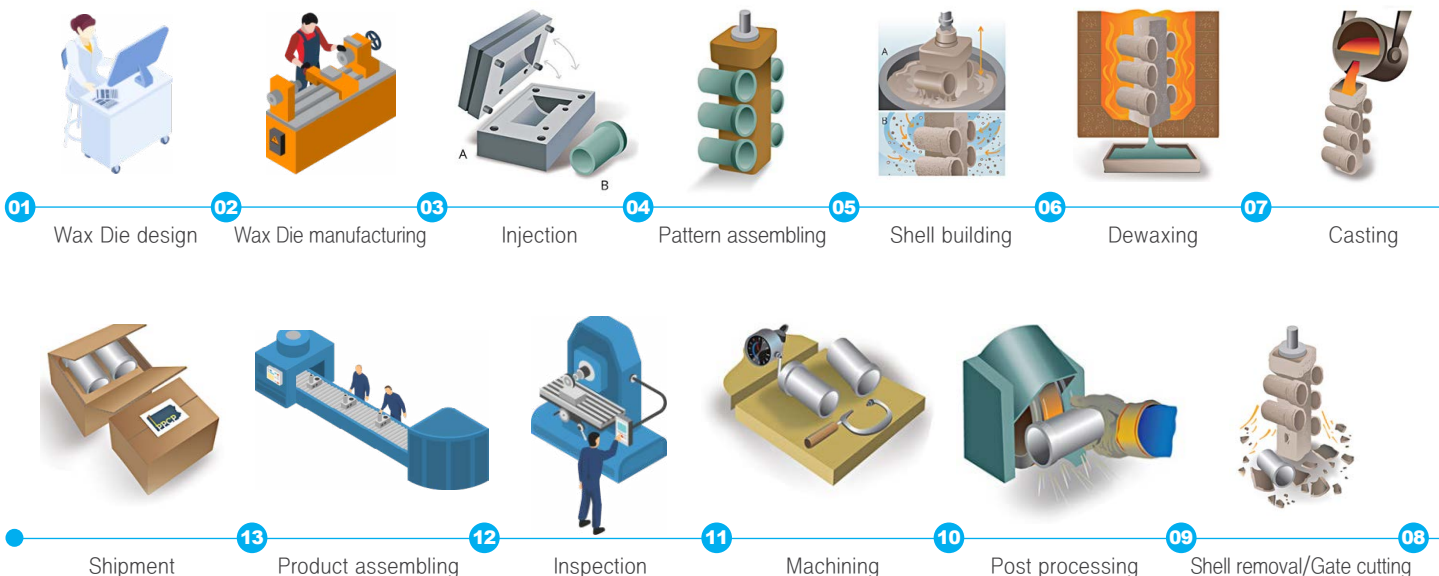
08

Post Processing



Through qualified suppliers, surface treatment such as painting, tumbling, buffing, anodizing etc., can be carried out perfectly.

DETAILED PROCESS TABLE





“

Our technology for manufacturing parts of aircraft engines and fuselages, such as turbine blades and nozzle, has been recognized in the global market through international quality certifications like AS9100 and NADCAP

”



Turbine blade



Nozzle ring



Fan Blisk



Bracket



Valve



Automobile



Rocker arm



Plate



Arm & Valve



Flap



Insert

“ We have certifications (IATF16949, SQ) for the manufacturer of automotive parts,
We produce and supply core automobile parts such as engine and turbo-charger parts.

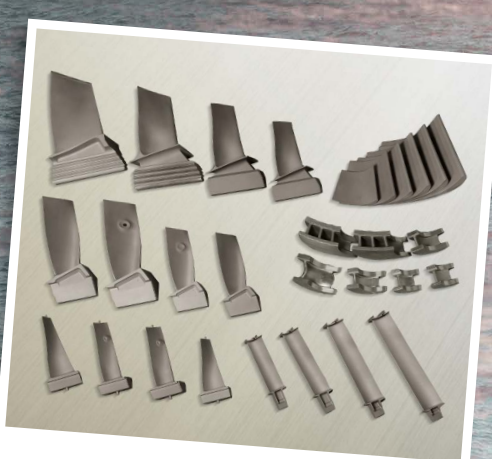
”



“

We have a Q-rated quality certification system needed to manufacture nuclear power plant components that require high technology. Based on its high-level quality control and manufacturing capability, we produce and supply power generation-related components, industrial gas turbine and engine parts and turbochargers for boats and ships.

”



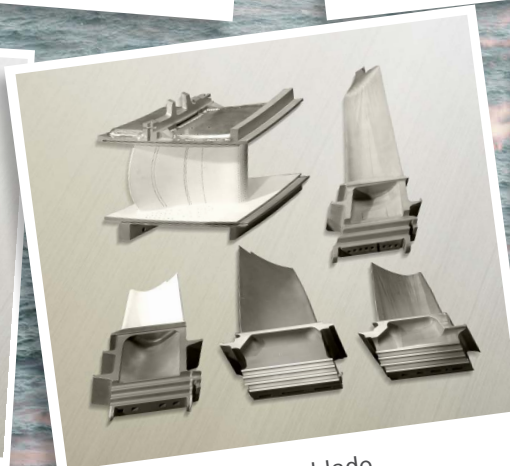
Rotor blade



Turbine wheel



Turbine vane

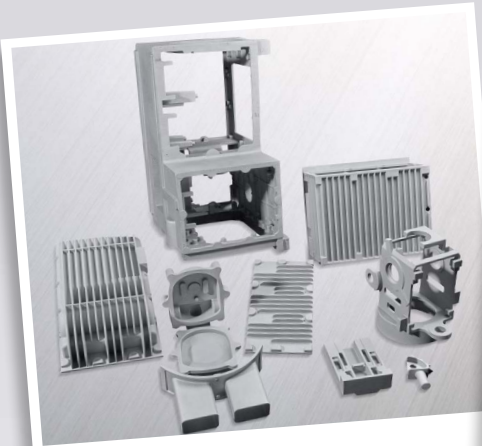


Turbine blade



Fuel rod top & bottom end fixture

Industrial machinery



Housing



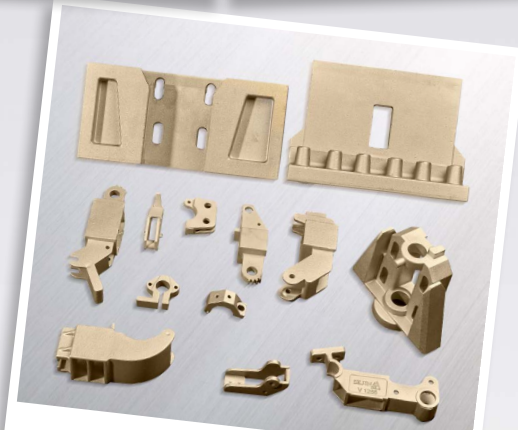
Joint



Impeller



Blisk



Brush holder

“

We provide products of various industries, such as machines for food industries, parts for medical instruments, valves, doors, leisure goods, flanges, heavy machinery, agricultural machinery, construction equipment and materials, and parts for the defense industry.

”



We, Korea Lost-Wax, have acquired certifications of each industry, such as airplanes, automobiles and ships, and established a systematic quality control system to ensure the highest-standard quality.

TEST & INSPECTION

Spectrum Analyzer



We meet our customers' requirements through accurate analyzing for casting materials.

Non-Destructive Test



FPI and RT approved by NADCAP are certified directly from Level 3 in order to establish trust about part design and casting parameters.

Coordinate Measurement Machine



We have 3 contact-type and 1 non-contact-type CMMs in order to guarantee the stability of Wax Die manufacturing through verifying the dimension until casting and after machining.

Projector



With projectors, we can accurately measure shapes up to 1 meter.

Tensile Test / Creep Rupture Tester



Equipment that tests and verifies the mechanical properties of metal under conditions of room and elevated temperature.

Hardness Meter / Surface roughness tester



These machines are used to determine the hardness and surface roughness of the casting.

XRD



This device is used to analyze the single crystal growth angle of metals.

SEM / EDS



These devices can analyze the images of high-magnification electron microscopes and even chemical compositions.

CERTIFICATIONS

► Related to aviation : NADCAP(NDT, CP, HT), AS9100



► Related to Automobiles : IATF16949, SQ(HYUNDAI, KIA)



► Related to ship classification : ABS(U.S.A.), KR(Korea), LR(England), NK(Japan), RINA(Italy), CCS(China), BV(France), DNV-GL(Norway)



► Other certificates : Own a large number of certificates, including ISO9001 and ISO14001





We will always do our best efforts to give the highest-level of quality and impression to our customers.



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We will grow to be a global enterprise that can be recognized by the global market through endless R&D and challenges.



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