

# SHINHOKOKU STEEL CORPORATION

- Homepage: <http://www.shst.co.jp/> -

## PRODUCT GUIDE

### **Alloy Casting Division:**

SHINHOKOKU is a manufacturer specialized in special alloy casting. It can supply casting products ranging from low to super alloy and low expansion alloy casting products with strict dimensional tolerance. These products are manufactured by materials with its original alloy designing and process technology to suit for a wide range of applications.

#### Heat and Wear-Resistant Casting Products

Tools for seamless steel pipe manufacturing, sintering plant parts, boiler parts

#### Heat-Resistant Casting Products

Parts of furnaces, parts of heat-treatment furnaces

#### Wear-Resistant Casting Products

Various protect liners, cutter, parts of crushers, pipes for slurry transportation

#### Low Expansion Alloy Casting Products

Components of nano-technology machine and semi-conductor manufacturing equipment



### **Engineering Division:**

Engineering Division is a supplier of comprehensive range of nano-technology casting products in the various sophisticated industries. The products are made of super alloy and low expansion alloy casting, starting from casting to finishing machining processes.

#### Nano-technology Parts

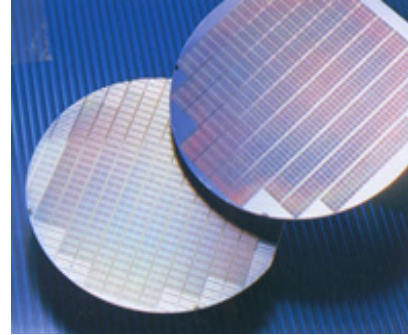
For measuring apparatus, optical instruments, various types of machine tools, glass manufacturing equipment

#### Nano-technology Components

For various equipment for manufacture of semi-conductors, silicon wafers, magnetic heads, liquid crystal

## Lapping Plate

Low-expansion alloy lapping/polishing plates for silicon wafers and photomasks.  
Tin plates for lapping AlTiC wafers and GMR magnetic heads.



## Metal Elasticity Division:

SHINHOKOKU is in an unique position to provide customers with facilities for re-roll orders of comparatively small quantity but various type of re-rolling requirements. In its hot rolling process, heating temperature, rolling speed, cooling method, etc. are controlled in many ways corresponding to sizes of rolling lots, shape of materials and material composition, enabling to produce coils, round bars and miscellaneous shape bars to customer's specification.

SHINHOKOKU challenges to produce special metal wires having various functional characteristics by use of facilities including electric resistance furnace, ultrasonic cleaning equipment, continuous wiring machine, alignment winding machine and etc.

### Special Alloy Rolling & Wiring

Electric materials, Hot rolling of alloy for special welding rods, Cold wiring

### Others

Re-rolling various special alloys to bars, coils and miscellaneous shapes, Re-rolling various special alloys to wires

