

# Crankshaft Laser Cladding Repair Machine

This machine employs laser processing for crankshaft repair, addressing wear through laser cladding technology. The laser surface treatment provides high hardness, efficiency, and quality, achieving abrasion and corrosion resistance unattainable by conventional methods.



## ADDITIONAL IMAGES

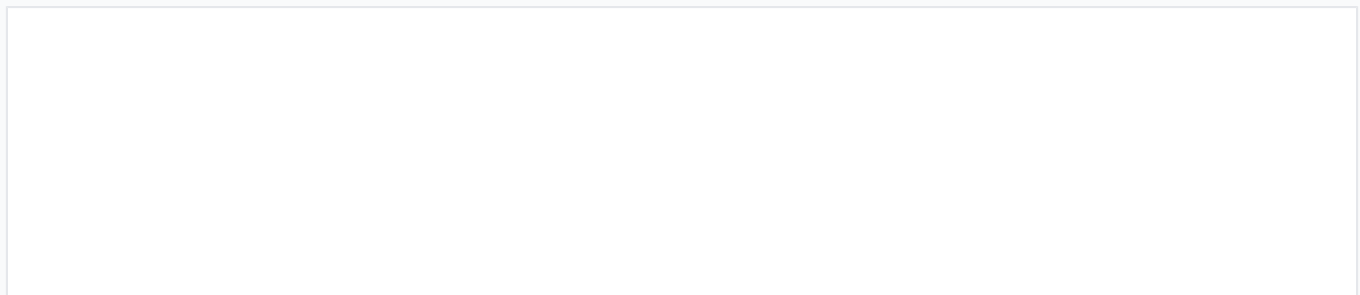


## Overview

### Advanced Laser Cladding & Repair System

This industrial laser processing system is engineered for high-precision crankshaft repair and surface restoration. Utilizing advanced laser cladding and quenching technologies, it delivers superior hardness, strength, and corrosion resistance to worn metal components. The system is designed to extend the service life of critical industrial machinery through automated, high-efficiency material deposition.

## Technical Specifications



Material analysis showing the effectiveness of laser quenching on metal surfaces.

Model	GS-TFL-6K/10K
Laser Source	TFL-6K/10K or Semi-Conductor
Optical Path Diameter	70 mm
Turning Angle	±60° (Manual Adjustment)

## System Composition

HAN\*SGS



Precision-controlled enclosure designed for crankshaft restoration.

### Core Components

- Laser Source (6K/10K)
- 60000 Calorie Water Chiller
- CNC Processing Machine Tool
- Automatic Powder Delivery System
- Optical Path System
- CNC Control System

## Performance Features

HAN\*SGS



Industrial-grade machine tool designed for high-quality crankshaft refurbishment.

### Key Benefits

High Hardness, High Efficiency, Self-Tempering, Environmentally Friendly, High Corrosion Resistance, Automation Ready

## Applications

### Suitable Industries

Automotive • Marine • Petrochemical • Aerospace • Metallurgy • Textile