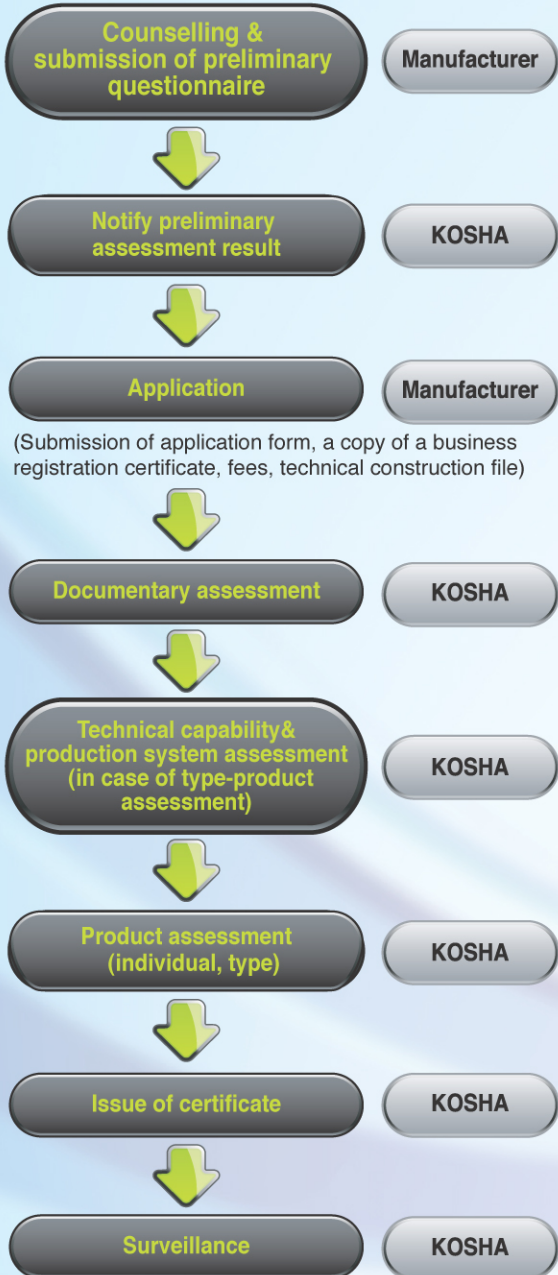
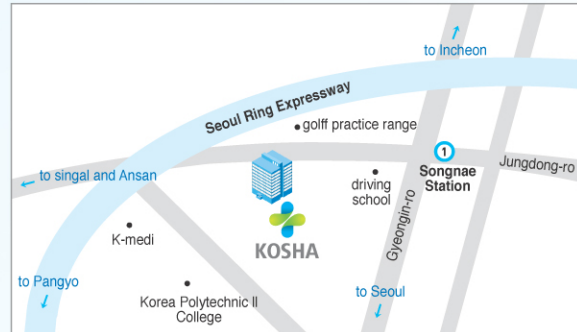


Procedure



Contact Us

KOREA OCCUPATIONAL
SAFETY & HEALTH AGENCY
Safety Certification Center



- ▶ Address
478, Munemi-ro(34-4 Gusan-Dong),
Bupyeong-Gu, Incheon 403-711
- ▶ Tel : +82-32-5100-858,864,867~869
- ▶ Fax : +82-32-518-6481, 6484
- ▶ E-mail : scc@kosha.net
- ▶ Home Page : <http://oshri.kosha.or.kr>

The reliable promise of Safety and Quality



Safety Certification Guide

2013



KOREA OCCUPATIONAL
SAFETY & HEALTH AGENCY
Safety Certification Center

Mark Safety Certification System

S mark system is a voluntary safety certification system in accordance with the OSH Regulations Art.34-4. It is a certification system that authorizes use of the S mark on products whose safety has been certified through a comprehensive inspection on the stability and reliability of the product as well as the technical capability & production system of the manufacturer.

Products for S mark

Industrial machinery

- Machine tools such as CNC lathes, milling machines etc.
- Industrial trucks such as fork-lifts, battery powered trucks
- Semiconductor & LCD manufacturing machinery
- Automatic system such as industrial robots etc.
- General industrial machines etc.

Components

- Sensors
- Electrical parts such as circuit breaker etc.
- Gauges
- Industrial computer and peripheral such as monitor
- Lifting device such as sling
- General safety components etc.

Assessment & Duration

	Assessment	Duration
Preliminary assessment	To confirm whether applied machinery is in the scope of S mark certification or not	7 days
Documentary assessment	To assess technical construction file including drawing, calculation data, instruction manual etc. of the applied product	15/30 days (domestic/overseas)
Technical capability & production system assessment	To assess quality assurance of manufacturer	30/45 days (domestic/overseas)
Product assessment	To assess safety performance and function of applied products - Individual-product assessment : all the applied products should be subject to assessment - Type-product assessment : products manufactured for the first time should be subject to assessment by types	15/30 days (Individual/Type)
Surveillance	To confirm whether the certified products and technical capability & production system meet still the requirements in the standards.	-

Electromagnetic Compatibility(EMC)Test

Electromagnetic Interference(EMI)

- Conducted emission(CE)
- Radiated emission(RE)

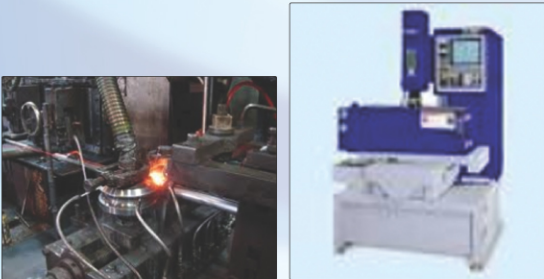
Electromagnetic Susceptibility(EMS)

- Electrostatic discharge(ESD)
- Radiated susceptibility(RS)
- Electrical fast transient(EFT)
- Surge
- Conducted susceptibility(CS)
- Voltage dip

Prerequisite for S mark

Electromagnetic Interference(EMI)

- Machinery using high frequency energy such as industrial electric induction heater, industrial high-frequency heater, high-frequency welder, etc.
- Machinery generating arc or spark, such as electric discharge machine, electric welder, etc.
- Laser machine (except for inspection and measurement equipment)

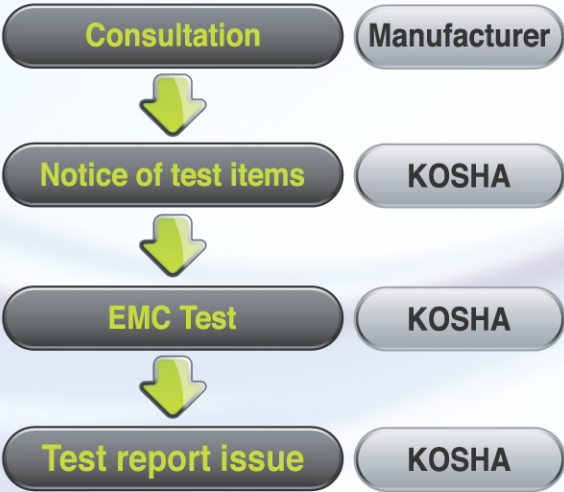


Electromagnetic Susceptibility (EMS)

- Industrial robot or machinery incorporating industrial robot
- Machine tools using NC, CNC
- Machinery using wireless remote control device
- Protective devices and sensors
- Unmanned transporter(using electricity, electromagnetic)
- Industrial computers, and peripherals such as monitor



Procedure



Submission of Document

Assessment	Documents
Preliminary assessment	<ul style="list-style-type: none">• Preliminary questionnaire• Product specification/arrangement and overall assembly drawings of product
Documentary assessment	<ul style="list-style-type: none">• General description for product• Drawings (Mechanical, electrical, pneumatic and fluid etc.)• Instruction manual• Calculation data• Checklist of applied standard (in case of components)• Test reports• Document showing authorized representative of applicant (If necessary)
Assessment for technical capability and production system	<ul style="list-style-type: none">• Establishment and implementation of quality management system• Procedure for verifying safety and specified purchase requirements for safety• Procedure for control of production and processes where deficiencies become apparent after the product is in use or the service has been delivered• Procedure for supplementary system of control of production and service provision• Control and record the Identification of product and parts, preservation of product• The implementation of monitoring in processing and control of measuring devices and equipment• Analysis of data and corrective and preventive action• Procedure for dealing with nonconforming product

International Partnership

KOSHA has signed Memorandum of Understanding(MOU) with 9 foreign organizations regarding mutual service partnership for S mark. These organizations will offer practical help in acquiring S mark certificate.

Organizations Signed MOU

- SGS Korea



- TÜV Rheinland Korea



- Amtri Veritas (UK)



- Bureau Veritas Korea



- TÜV SÜD AG(Germany)



- Intertek SEMKO(Sweden)



- TIIS(Japan)



- Cermet(Italy)



- SZU(Czech)



