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## 1. INTRODUCTION

- CI
- Philosophy
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- Global Network

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- CABLE
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- WELDING HELMET
- WELDING TORCH/HOLDER
- WELDING FUME EXTRACTION SYSTEM

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  - FACILITIES
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## CI

The CI expresses the will of the corporate to realize the dream of welding through genuine management.

The concept of the flame of challenge and innovation is expressed in a soft and dynamic design.

Passionate IH Orange and Red represent the vision of a world-class company leading the welding industry through continuous R&D.

The logo for ILHUNG is displayed on a light gray grid background. The word "ILHUNG" is written in a bold, italicized, sans-serif font. The "I" is orange, and the "LHUNG" is red. A red swoosh is positioned above the "I".

● **CMYK(Process)**

(C:24% M:100% Y:100% K:0%)

● **CMYK(Process)**

(C:9% M:75% Y:99% K:0%)



### Core Value

## **“Global genuine company creating value”**

We always value a better and happier life for humankind and take social responsibility as a global company for this purpose.

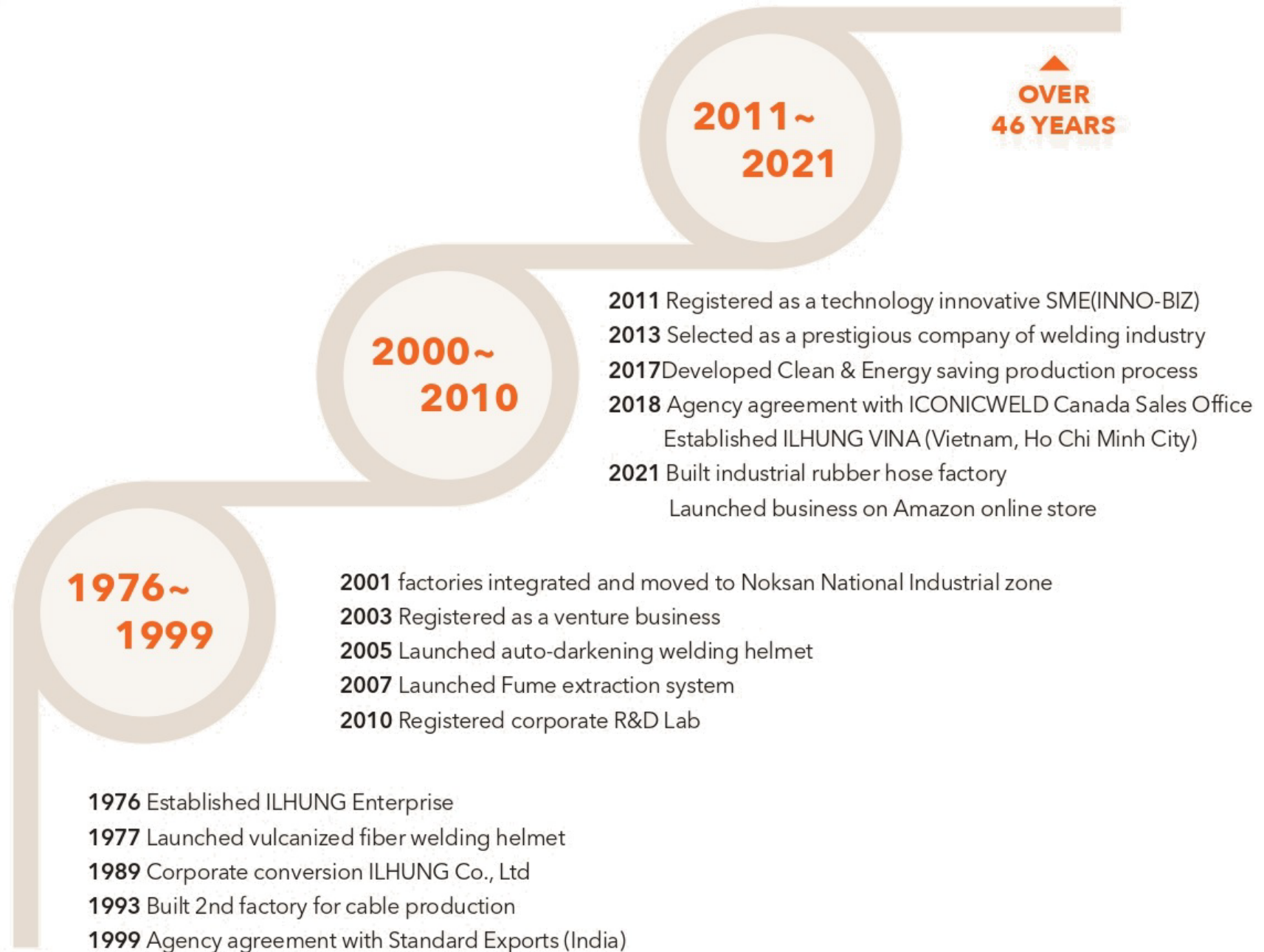


### Philosophy

ILHUNG pursues valuable and proud management so that all employees can enjoy peace, happiness, and prosperity like a deep-rooted tree and a spring that never dries up.

We Specialize in smart welding equipment, thinking people, environment and quality.

## HISTORY



# Global Network



- ASIA** Japan, China, Thailand, Philippines, Vietnam, Indonesia, Malaysia, Hongkong, Taiwan, Singapore, India, Egypt, UAE, Iraq, Turkey, Iran
- EUROPE** Italy, Switzerland, Netherlands, Russia, Greece, Denmark, Austria
- AMERICA** USA, Canada, Mexico, Brazil
- OCEANIA** Austrailia, New Zealand

# MANUFACTURING

## CABLE

- CO<sub>2</sub> Single/ Extension Cable
- TIG Single Cable
- 0.6/1kV PNCT Cable
- MIG/MAG/TIG/ Plasma Torch Cable
- WCT Cable

## FUME EXTRACTION SYSTEM

- Fume Extractor
- Fume Torch

## INDUSTRIAL HOSE

- Single/Twin Welding Hose
- Flame Resistant Single/Twin Welding Hose
- AIR Hose
- Multipurpose Oil Resistant Hose
- Cable Electric Insulation Hose
- Cable Cover Hose
- Heat Resistant Suction Hose

## WELDING HELMET

- Basic Welding Helmet - Black glass shading
- Auto darkening welding helmet - Automatic Cartridge

## WELDING TORCH

- MIG/MAG Troch Flexible torch body
- Plasma Cutting torch
- NORTH AMERICAN TYPE (BERNARD ST.)
- MIG/MAG Torch
- IMU - BASED DIGITAL TORCH
- Arc holder

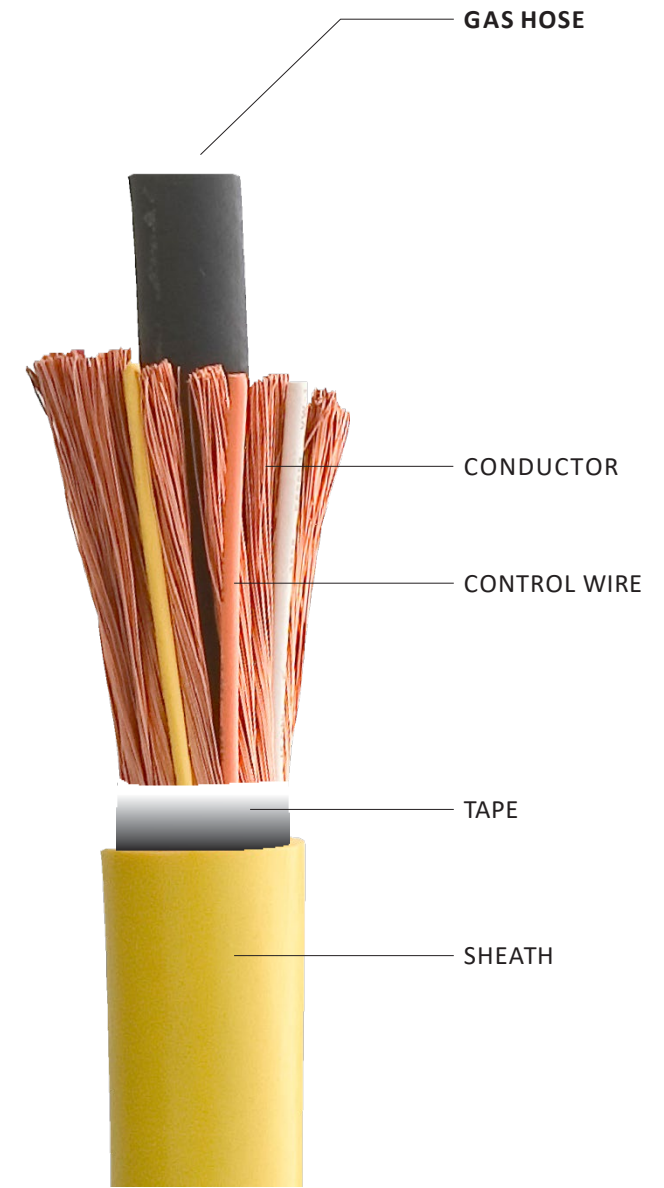
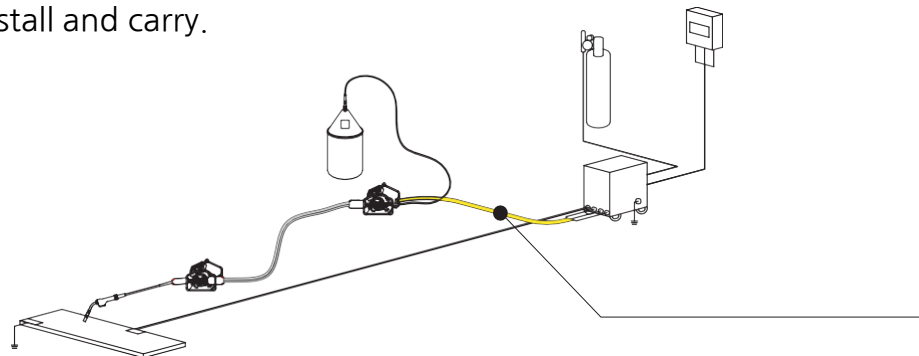
# CO<sub>2</sub> SINGLE CONNECTION CABLE

## SILK ROAD

The combined cable of power cable, gas hose, control cable in one jacket. It connects a power machine to a wire feeder at long distance welding job.

### \* FEATURE

- The particular sheath blended by optimizing for the welding environment has excellent heat resistance, tensile strength, and weather resistance.
- Light weight- easy to install and carry.



# TORCH CABLE

## MAG(CO2) TORCHCABLE

- Excellent gas hose resilience
- Outstanding flexible and usable
- Sheath with excellence insulation resistance, heat resistance, flame resistance, Ozone resistance



## TIG TORCHCABLE

- Durable and flexible sheath
- All-in-one jacket by extrusion
- Air cooled type



## PLASMATORCH CABLE

- Durable and flexible sheath
- All-in-one jacket by extrusion
- Excellent insulation, heat resistance, ozone resistance





# ARC WELDING CABLE

## EXPERIENCE THE SUPERIOR RUBBER JACKET

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### \* FEATURES

- Excellent electrical properties
- Sheath with excellent heat resistance, weather resistance, ozone resistance, chemical resistance and flame retardancy.
- Flexible of the PCM vulcanization.



# INDUSTRIAL HOSE

## SINGLE WELDING HOSE(OX,AC,CO<sub>2</sub>)



- Material: High-quality synthetic rubber for oxygen and gas transfer
- Reinforcing yarn: Multiple textile plies
- Temp. Range : -30 ~ +80°C
- Color : Green(OX), Red(AC), Yellow(AC), Blue(CO<sub>2</sub>), Black(N<sub>2</sub>)
- Characteristics: Flexibility, ozone resistance, heat resistance
- Purpose: Welding and cutting workshops for shipbuilding, construction, civil engineering, steel, etc
- Specification (inch): Reinforcing layers 1B and 2B, respectively, 3/16, 1/4, 5/16, 3/8

## FLAME RESITANT WELDING HOSE(OX,AC,CO<sub>2</sub>)



- Material: Synthetic rubber with excellent flame retardancy, weather resistance, and ozone
- Reinforcing yarn: High strength synthetic polyester yarn
- Flame retardant rating: V0
- Temp. Range : -30 ~ +80°C
- Color : Green(OX), Red(AC), Blue(CO<sub>2</sub>)
- Characteristics: flame retardancy, ozone resistance, heat resistance, flexibility
- Purpose: Welding and cutting workshops for shipbuilding, construction, civil engineering, steel, etc
- Specification (inch): Reinforcing layers 1B and 2B respectively, 5/16

# WELDING HELMET

## Basic welding helmet – Vulcanized

- Excellent heat resistance, durability
- Electric insulation
- Light weight
- Various models
- Competitive price



## Auto darkening welding helmet

### \* Cartridge (ADF) Features

- Clarity rating : EN379 & ISO 1/1/1/2
- True color filter : Optimize sense of sight
- Shade range 7-13
- Autopilot  
(Auto darkening control)



# WELDING TORCH

## MIG/MAG

- Ergonomic design, excellent grip, heat resistance and impact resistance, easy-to-assembly coupling structure
- Strong and flexible cable application
- CE : EN60974-4



## FLEXIBLE TORCH BODY

- Flexible regardless of season
- Application of sheath material with excellent heat resistance
- Double insulation structure completely blocks high frequencies



## PLASMA

- Powerful and accurate cutting
- Sheath with excellent electrical insulation and wear resistance
- High frequency completely cut off



# WELDING TORCH

## MIG/MAG BN(North America type)

- Durable Bernard style
- Apply QT3 torch body
- Ergonomic design, excellent grip, heat resistance and impact resistance, easy-to-assembly coupling structure
- Strong and flexible cable application

ICONIC WELD



## SMART WELDING TORCH

- Installation of IMU sensor for torch position sensing
- Torch data signal transmission
- Ergonomic design grip
- Strong and flexible cable application



# ARC HOLDER DIAMOND

## \* FEATURE

- Excellent strong - One-in-one molding that is not easily damaged by strong impact, and is light and durable with insulation and flame retardant special materials..
- CHUCK BODY is ideally angled and securely fastened to any welding rod



600A

500A

350A

# FUME EXTRACTION SYSTEM

An on-torch Fume collector **[OASYS]** that collects the fume where it is generated provides the safest protection for the welder from the fume.

## \* FEATURE

- Unique welding fume collection structure that realizes the optimal welding environment
- Sheath with durable and heat-resistance
- Built-in FLEXIBLE TORCHBODY that can move freely
- Flexible cable to reduce fatigue

### SEMI-AUTOMATIC FUME TORCH - IHFE

\*patent pending



### AUTO CARRIAGE FUME TORCH - IHFC

\*patent pending



### ROBOT FUME TORCH - IHFR

\*patent pending





## Core Technology

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**Vulcanized fiber  
bolting-free  
forming**

**Rubber, Elastomer  
Extrusion**

**Rubber, Elastomer  
Compounding**

**Product design**

**Copper wire  
processing**

**Material  
development**



## PATENT

( 2022. 03.31)

DIVISION	REGISTRATION	APPLICATION	TOTAL
OVERSEAS PATENT	3	0	3
PATENT	21	3	24
BRAND	3	0	3
DESIGN	12	1	13
<b>TOTAL</b>	<b>39</b>	<b>4</b>	<b>43</b>



# MAIN FACILITY

## CABLE LINE

- Drawing (medium/precision scale) machine
- Collection / Stranding machine
- Wire braiding / Yarn braiding / Spiral machine
- Inkjet printer
- Under water cutting machine
- Rubber extruder
- TPE extruder
- Steam Curing Tank



## WELDING HELMETLINE

- Hydraulic shear
- Mechanical press
- Auto power press
- Hydraulic forming machine
- Multi spot welding machine



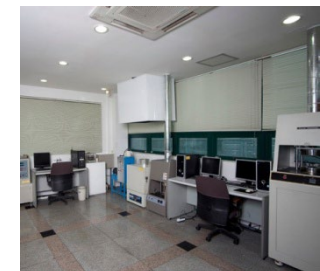
## EQUIPMENT LINE

- Precise injection molding machine
- Auto cutting machine
- Power crimping machine
- Multi test machine
- Wrapping machine



## R&D CENTER

- Spark tester
- Materials testing system
- Laser micrometer
- Mooney viscometer
- Rheometer
- Wireless check tester
- Load tester
- Oscilloscope
- Automatic pipe welding
- Tensile strength tester
- 3D printer
- Load tester





**The valuable partnership makes better value.  
Thank you!**



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