

StepUp^{NEO}

Experience Human wearing Exoskeleton

Back Assist Exoskeleton
Passive Type



WEAR THE SAFETY

Industrial Exoskeleton for Muscle Assistance

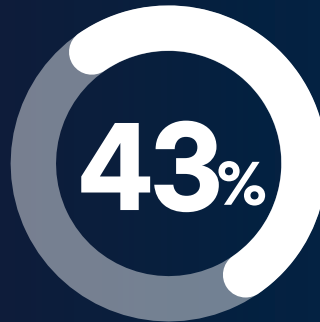
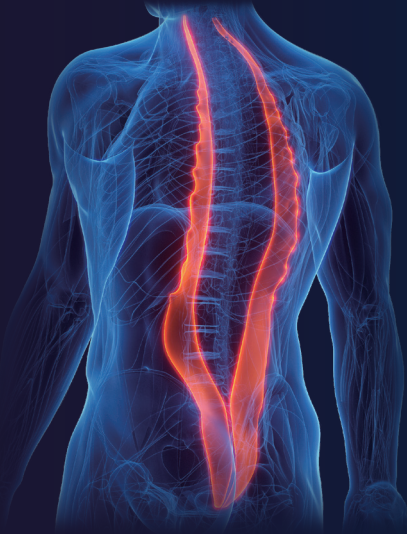
Repetitive bending and heavy lifting place significant strain on industrial workers. Each year, 50 ~60% of workers experience lower back injuries, resulting in lost productivity, higher injury-related costs, and workforce instability.

To address these challenges, FRT Robotics developed StepUp, an industrial exoskeleton designed to reduce physical strain during demanding tasks. Field testing shows that StepUp reduces muscle fatigue by up to 43% and muscle usage by 25%, helping improve workplace safety while supporting sustainable productivity.

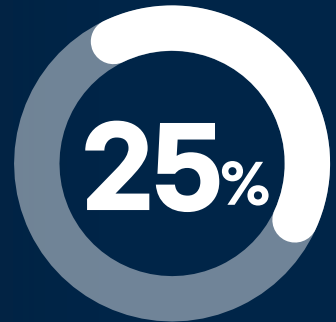


Over **1,000** units deployed worldwide.
Validated by **2,500** wearers in real work Place.
Trusted by **2,800** users across industries.

Field EMG Test Results



**Avg. Muscle
Fatigue Reduction**



**Avg. Muscle
Force Reduction**

Measured Muscle Fatigue Reduction Across Tasks



A Field-Proven Wearable Muscle Assist Device

Battery-Free
Passive Design

Personalized Fit
with Adjustable
Length & Angles

**Tree-Level
Muscle Power
Assistance**
10 / 12 / 14 kgf

120° Hip Joint
**Natural &
Unrestricted
Movement**

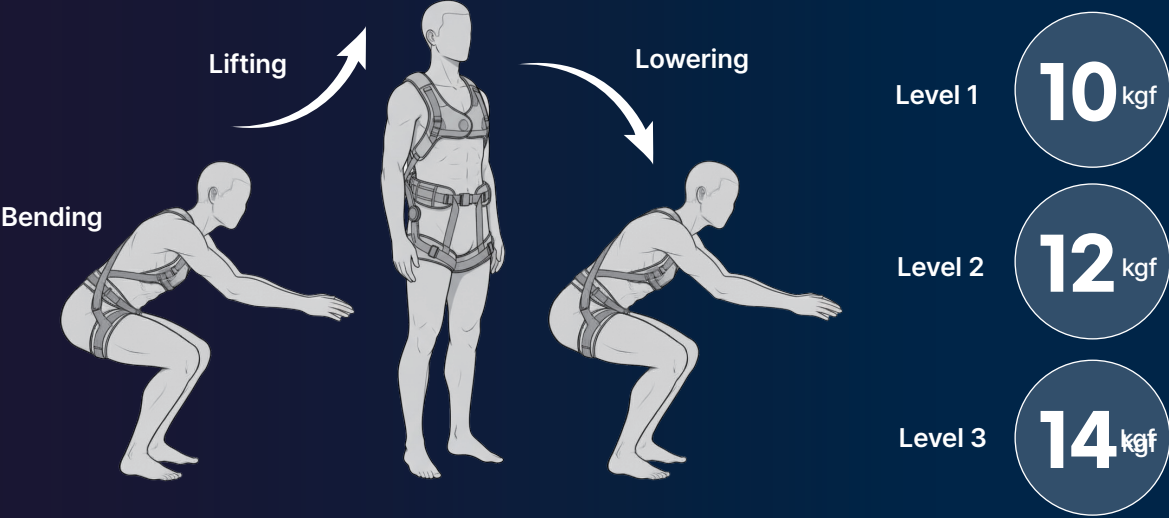
High-Strength
Lightweight
Materials
**Total Weight
3.6kg**

**Foldable Leg
Structure**
for Easy Storage
& Transport



Three-Levels Power Assistance for Demanding Tasks

By conserving physical energy during repetitive lifting and lowering tasks, StepUp NEO helps workers maintain productivity over extended work periods. Three selectable assistance levels allow customization based on task type, work duration, and required support.



Specification

| | |
|-----------------------|---|
| Product name | StepUp NEO |
| Weight | 3.6kg |
| Color | White |
| Size | 465mm (Width ±60), 825mm (Height ±30), 305mm (Depth) |
| Muscle Assist Force | 10.0kgf (Level 1), 12.0kgf (Level 2), 14.0kgf (Level 3) |
| Manufaturer | FRT Robotics.Co.,Ltd. |
| Country of Manufature | Republic of Korea |

CUSTOMER EXPERIENCE



Experience
StepUp NEO

USD 1,500

_Taxes and duties not included

StepUp^{NEO}



Homepage



www.frtrobotics.com

Contact us

FRT Robotics Co., Ltd. | Business Registration number : 754-86-00019

Address : (38408) 80 Jijisaneup 4-ro, Hayang-eup, Gyeongsan-si, Gyeongsangbuk-do, Republic of Korea

Seoul Flagship Store : 170, Dosan-daero, Gangnam-gu, Seoul, Republic of Korea (2/3F)

U.S. branch : 3003 North 1st Street #221, San Jose, CA 95134

Email : marketing@frtrobotics.com | Tel : +82-53-851-0028 | Fax : +82-70-7610-6823

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