

# KENQING ANT-Y20



A cutting-edge wearable robotic device engineered to enhance strength and reduce physical strain. Designed for lifting and carrying heavy loads, it integrates advanced motor and sensor technology to provide seamless assistance, revolutionizing productivity and ergonomics in various industries



## Lumbar support system

*Wide range of applications*

*Do you want a steel lumbar?*

*No problem!*

Get Ant-Y1, help protect your lumbar from hardwork, reduce work intensity and improves work efficiency

## Applications : Industrial, agriculture, patient caring

*Wide range of applications*

From industrial works such as cargo handling and long time bending work to agricultures such as grain handling and crops harvest and also sanitation works such as street cleaning, snow shoveling and patient caring and transfer



# ANT-Y20 Lumbar Support robot

Keep Your Lumbar Relaxed All Day

- ▶ 20+ KG Assistance
- ▶ Automatic Switching Of Bending/Walking Modes
- ▶ Close-Fitting & Flexible
- ▶ Large Capacity Battery Replaceable
- ▶ Easy To Wear & Use
- ▶ Pads Can Be Quickly Replaced



## Applications





Industrial: Cargo Handling, Long Time Bending Work  
 Agriculture: Grain Handling, Crop Harvest  
 Sanitation Work: Streets Cleaning, Snow Shoveling  
 Patient Caring & Transfer

## Parameters

Weight: 4.2kg\*(Including Battery)  
 Waist Rated Torque: 32Nm\*2(Ab.20kg)  
 Max Walking Torque: 20Nm  
 Max Speed: 12Km/h  
 Bending Assist Level Adjustable

Applicable Height: 150~185cm  
 Endurance Per Charge: Ab.4~6H\*  
 Charging Time: 1.5h  
 Op.Temp: -25~45°C  
 Water & Dust Proof: IP56

## Product Family : Carrying and Lifting assist

Models	Pictures	Parameters	Features	Applications
<b>Ant-W1</b>		Waist assist:Ab.30kg-40kg Weight:6.4kg(Including battery) Endurance for one charge:5-7H/Ab.2500 times	Lift load to abdominal position Automatically adapt to load weigh Pick up,hover,and drop freely Walking or lifting switching freely Replaceable grip accessories	Logistics handling Factory operation Rescue and disaster relief Labor protection
<b>ANT-WA1</b>		Waist assist:Ab30-40Kg Weight:8.4Kg(Including battery) Endurance for one charge:4-5H/Ab1600 times	Lift load to shoulder position Automatically adapt to load weigh Pick up,hover,and drop freely Replaceable grip accessories	Logistics handling Factory operation Rescue and disaster relief Labor protection
<b>ANT-A1</b>		Arm assist:Ab.18-25Kg Weight:5.2Kg (Including battery) Endurance for one charge:6-8H/Ab3500times	Full arm assistance High flexibility Lightweight and close fitting Flexible control of posture Finger sensor is optional	Logistics handling Factory operation Rescue and disaster relief Labor protection
<b>ANT-A10</b>		Weight : 3.0Kg(Including battery) Max Shoulder Joint Assistance : 15Nm*2 (Single arm 7kg, double 14kg) Endurance : 4-5H Charging Time : 1.5H	7KG*2 Assistance Large Range Smart Assistance Support Flexible Movements Lightweight & Close-Fitting 5+ Hours Endurance	Automobile Aviation manufacturing Logistics Factory operations Agricultural Construction Surgeon



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