

About Us

Established
in
2019

Focusing on
Intelligent Industry
Robots

Professional
and Strong
Team

Involved in Automobile,
Textiles, and Prefabricated
Foods Industries

Dolphin AI Technologies Co., Ltd, an ecological enterprise of the listed company Century Huatong (002602), was founded in 2019, a high-tech enterprise dedicated to developing intelligent industry robots. Our mission is to address common challenges faced by manufacturing companies, such as labor shortages, inefficiencies and poor outcome, through AI technology.

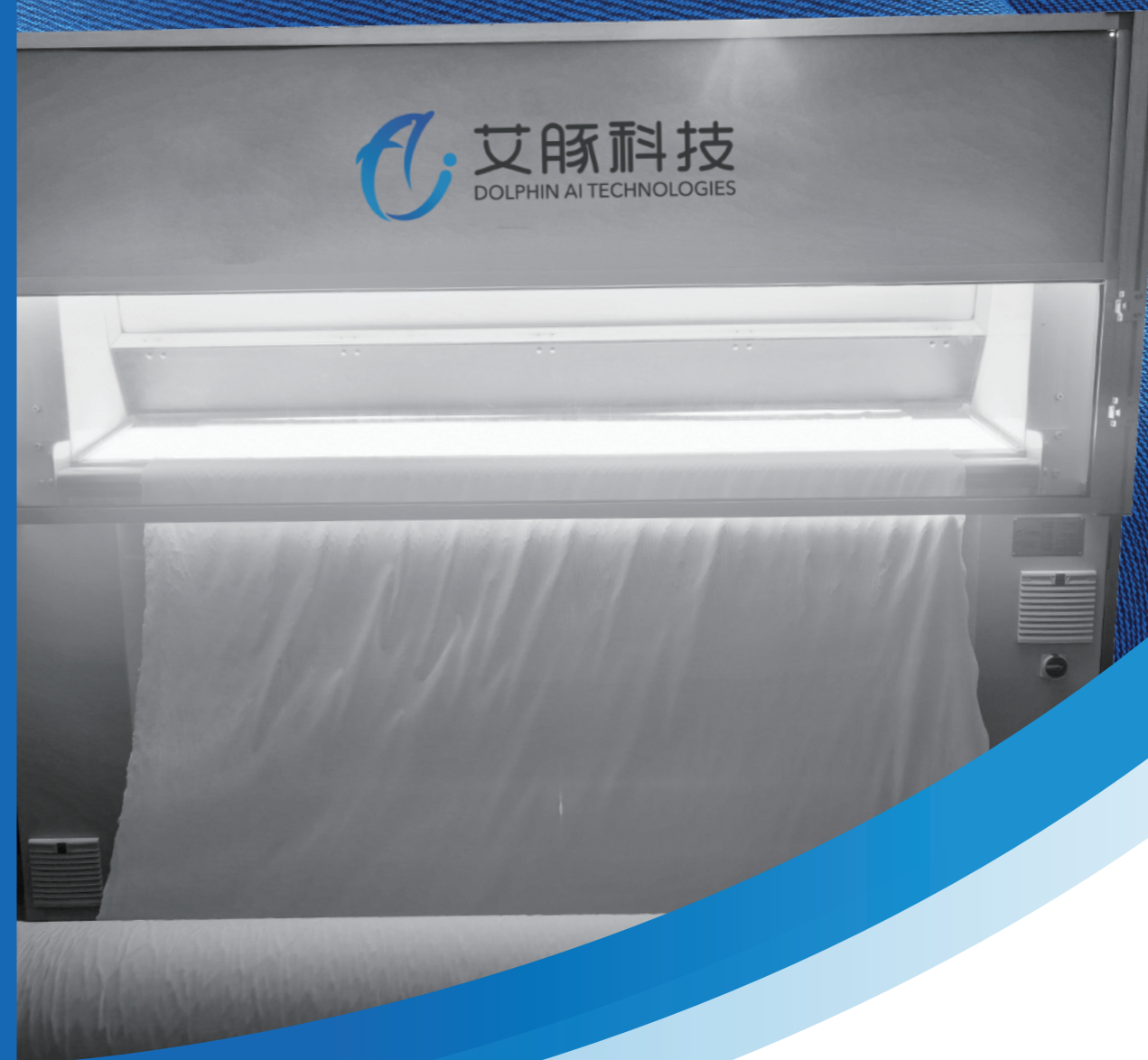
Driven by values of innovation, excellence, and win-win with our customers, we conduct forward-looking research and high-end design for cutting-edge products and deploy intelligent robots across various manufacturing sectors. Our goal is to fulfill the customer demand and solve the pain points of industries, and help our clients reduce costs, enhance efficiency, and drive enterprise value and competitiveness.

With a strong and professional team composed of personnel with doctoral and master's degrees, Dolphin AI developed and grew rapidly. We excel in technology, product development, and business outreach. Our solutions, spanning automotive manufacturing, textiles, and prefabricated foods, have gained widespread acclaim for their effectiveness and value addition to our clients.

Customer Distribution

The business scope of abri has covered 10 provinces and municipalities across China, and has successfully entered the Vietnamese market, marking the start of its global expansion

Shanghai, Jiangsu, Zhejiang, Fujian, Anhui, Shandong, Ningxia, Shanxi, Hubei, Xinjiang



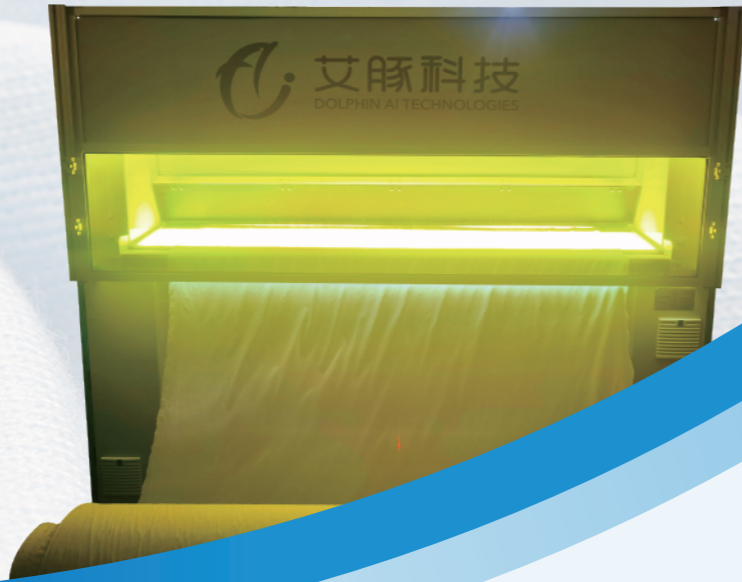
AIBRI FABRIC INSPECTOR -Atlantic Dolphin

A trustworthy fabric inspection expert



AIBRI FABRIC INSPECTOR Atlantic Dolphin

An advanced intelligent device that can be widely used for fabric inspection.



Product Introduction

For the scenario of filament grey fabric, which features fine yarns, high density, high running speed, and high defect detection accuracy requirements, the system employs higher imaging precision and computing performance. Combined deep learning algorithms with open CV algorithms, enables the system to accurately, efficiently, and stably detect various types of defects in different fabrics.

产品特点

Detect Various Defects in Fabrics

Support different materials, fabric structures and width of cloth.

Detection Rate Far Exceeds Manual

High efficiency: detection efficiency reaches 140 m/min
High quality: Less than 3 missed reports within 100 meters

Real-time Defect Map Output

Automatically generate an electronic defect map, clearly displaying the key characteristics of the fabric. Scoring the cloth and supply cutting guidance based on inspection standards.

The Inspection Report is Detailed and Reliable

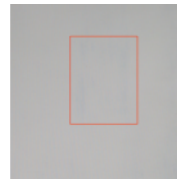
Real time measurement of width
generate detailed reports as needed
Provide external API to be integrated



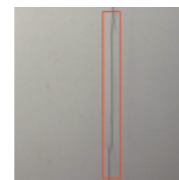
BrokenEnd



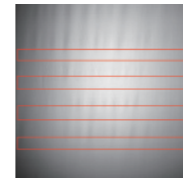
Missing Yarn



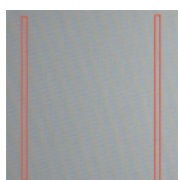
Mildew Stain



Permanent Crease



Mechanical Defects



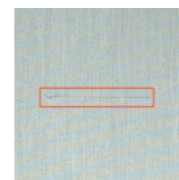
Warp Streak



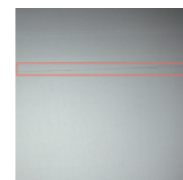
Uneven Warp Tension



Tight Pick



Lappers



DoublePick

Product Advantages

The types of defects include partial defects and comprehensive defects such as Tight pick, Uneven warp tension, Weft mark etc.

It can replace 2-5 fabric inspectors per devices, significantly reducing labor and management costs for enterprises.

The detection accuracy reaches up to 0.1 mm, with no false alarms caused by regular fabric curling or wrinkles. The accuracy rate is as high as 90%, significantly improving work efficiency.

SUPPORT ALL TYPES OF FABRICS

Supports fabrics of different materials, textures, and lusters, such as plain weave, twill weave, satin weave, matte finish, semi-matte finish, etc.

SUPPORT ALL TYPES OF DEFECTS

Common widths of fabric for clothing, range from 1.5 meters to 2.3 meters, etc.

SUPPORTS A WIDE RANGE OF WIDTHS

HIGH RETURN ON INVESTMENT

The detection ability can reach up to 90%, is over 30% higher than that of senior fabric inspectors. On average, there are less than 3 missed reports per 100 meters.

HIGH DETECTION RATE

HIGH ACCURACY

AIBRI vs Manual

Manual

Average speed of 20-30 meters per minute

Due to the limited experience of the fabric inspector, it varies from person to person

Fluctuations caused by emotional, physical, and fatigue levels

The cost of labor is increasing year by year

Lack of standardized records, chaotic management of detection data, and lack of evidence to trace problems encountered



AIBRI FABRIC INSPECTOR

Speed

Can up to 140 meters per minute

Ability

The detection rate is much higher than that of skilled fabric inspectors

Stability

work steadily 24/7

Labor cost

can replace 2-5 fabric inspectors per devices, significantly reducing labor and management costs for enterprises.

Data management

Automatically record defects and score them according to inspection standards, generate a real-time defect map, effectively guide the cutting of fabric, and reduce the cutting loss of small-lot fabrics