

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.

Usage Scenario



Initial inspection

Reducing the number of initial inspection personnel to 1 person/unit can improve the quality and output of fabric repair by fabric inspectors.



Double inspection

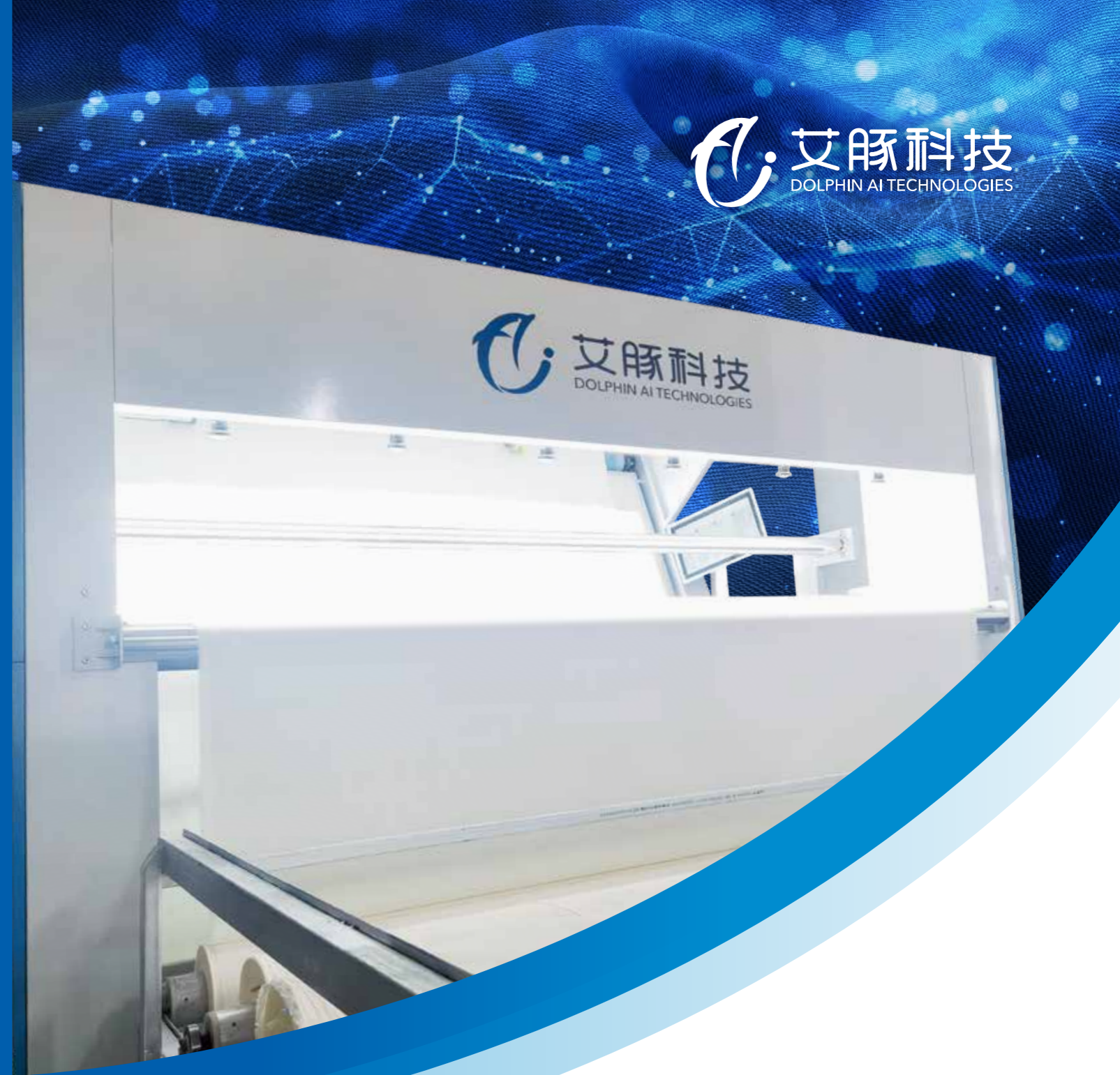
Efficiently and timely detect defects that were missed or repaired during the initial inspection of the fabric inspector, avoiding the leakage of defects.



Packing

Use for automatic inspection, qualified products are directly packaged, and unqualified products are return to desk repair.

DOLPHIN AI TECHNOLOGIES



AIBRI FABRIC INSPECTOR -CHINESE WHITE DOLPHIN

A trustworthy fabric inspection expert

AIBRI FABRIC INSPECTOR CHINESE WHITE DOLPHIN

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



Product Introduction

By using machine vision technology and artificial intelligence deep learning algorithms, massive defect data can be learned to accurately, efficiently, and stably detect hundreds of defects in different fabrics.

Summary of Product

Detect various defects in fabrics

- Support different materials, fabric structures and width of cloth.

Detection rate far exceeds manual

- High efficiency: detection efficiency reaches 60 m/min
- High quality: Less than 3 missed reports within 100 meters

Flexible inspection standards

- The inspection standards can be set according to different rules and the requirements of different customers

Reliable inspection reports

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



Product Advantages

There are hundreds of types of defects, including yarn defects, weaving defects, and dyeing defects.

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

None of false positives caused by cotton fluff or Hairiness on the fabric, with an accuracy rate of up to 90%, greatly improving work efficiency.

SUPPORT ALL TYPES OF FABRICS

Support fabrics of different materials and textures, such as cotton fabric, synthetic fabric, plain weave fabric, twill fabric, satin weave fabric.

SUPPORT ALL TYPES OF DEFECTS

SUPPORTS A WIDE RANGE OF WIDTHS

In addition to common widths, it also supports widths of 2.8 meters or more, which can meet various needs.

HIGH RETURN ON INVESTMENT

HIGH DETECTION RATE

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 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

Up to 60 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

record defects detail and images, generate traceable data reports, used to improve the production process.