

YONEZAWA BUSSAN CO.,LTD.

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 <https://www.yonezawa-bussan.jp/en/>



 Connector
<https://www.yokowoconnector.com/>



 Flexible Wave Guide
<https://www.yonezawa-bussan.jp/en/flexible.html>



 <https://youtu.be/5BzWAuAw5DM>



Company Introduction

① YONEZAWA BUSSAN CO.,LTD.

We are a manufacturer of narrow-width textile materials.

We are a company that actively develops products across all categories by leveraging our textile technologies in weaving, knitting, and braiding, aiming to develop fabric parts.

② YOKOWO CO., LTD.

Yokowo delivers advanced connectivity solutions with over 700 ready-to-use connectors and custom designs to meet your unique needs. From standard components to tailored solutions, we help you connect with confidence.

Products Details

Waveguides are critical for low-loss transmission above the millimeter-wave band, yet conventional metal waveguides face challenges of high mass and limited bendability. To overcome these constraints, we developed a lightweight, flexible waveguide featuring a low-loss dielectric core and a thin metallic outer conductor formed by braiding slitted metal foil with a resin support layer. This braided architecture prevents wrinkling during bending and ensures consistent RF characteristics, including low insertion loss. At this exhibition, we present the flexible waveguide lineup, YOKOWO CO., LTD. designed connectors, and a video display demo unit. The capability to retain low loss under bending deformation and to enable long-length continuous fabrication positions this technology as a viable solution for high-frequency communication systems, with future applications in automotive radar and medical instrumentation.

