Rehabilitation Center: 3D Printing Medical Aids

Raise3D Case Study
https://www.raise3d.com/case/kanagawa-rehabilitation-center-3d-printing-medical-aids
https://www.raise3d.eu/case/kanagawa-rehabilitation-center-3d-printing-medical-aids

The Kanagawa Rehabilitation Center (神奈川県総合リハビリテーションセンター) is dedicated to supporting the medical and rehabilitation efforts of the Prefectural hospitals, with a team that has helped more than 90,000 patients return to normal life. They used Raise3D Pro2 series printers to realize the independent production of rehabilitation tools, becoming a pioneer in utilizing 3D printers in medical institutions.

Kanagawa Rehabilitation Center 神奈川県総合リハビリテーションセンター

Industry: Medical

Company business: Assistive tools for the disabled, postoperative rehabilitation

Printer used: Pro2 printer

Usage: Patient customized production

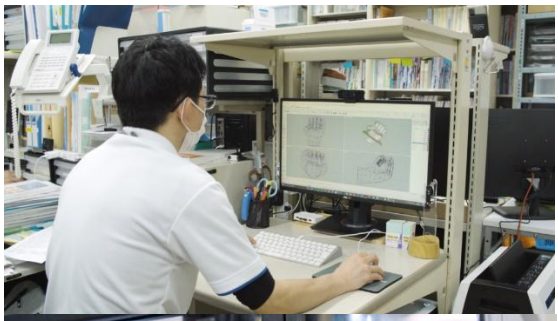
User: Kanagawa Rehabilitation Center

Additional information: Since 2015, they have established a system called "Kariha Shiki 3D Printing System (Pretty 3D Printing System)". They used Pro2 printer to print self-help tools, and helped more than 90,000 patients return to normal life.

Solution

The team uses the Raise3D Pro2 printer, coupled with a high-precision 3D scanner, to carry out the in-house production of varying quantities of highly personalized rehabilitation aids in the center. They have established a "diagnosis-manufacture-use" system called Pretty 3D printing system. It includes the entire application process from patient diagnosis to data scanning, auxiliary tool 3D printing and patient trials.





- The delicate surface printed by Pro2 is ideal for tools that must conform to the patient's body and be inclined or rounded.
- The printing size of the Pro2 printer is 305 x 305 x 300mm, which is not only suitable for the production of large assistive devices, such as prosthetics, but also for the mass production of smaller commonly used assistive devices.
- Raise 3D 's Japanese reseller, Japan 3Dprinter (日本3Dプリンター株式会社) provides a 6-step package plan and will first investigate the customer's application requirements.
- Raise 3D’s products meet the team's highly flexible and personalized auxiliary tool production needs. The team can take more detailed scans of the patient's parts and print individual 3D parts on a 3D printer.

Connect with Raise3D

Do you have a great 3D printing success story and think it would be cool to be featured on www.raise3d.com, we would love to learn more! Write to us at inquiry@raise3d.com

For more information about Raise3D printers and services, browse our website, or schedule a demo with one of our 3D printing experts.