Tsubaki Power and Performance
For the Medical Equipment Industry

Headquarters
Nakanoshima Mitsui Building
3-3-3 Nakanoshima, Nakanoshima-ku
Osaka, 530-0033, Japan
Phone: +81-6-6441-0011
URL: http://tsubakimoto.com

Chain & Power Transmission Sales
1-3 Kaminobata 1-chome
Higashinakada,
Kyoto, 610-0800, Japan
Phone: +81-774-64-9322

Group companies

NORTH and SOUTH AMERICA

U.S. Tsubaki Power Transmission, LLC
301 E. Marquardt Drive, Wheeling, IL 60090, U.S.A.
Phone: +1-847-459-9500
URL: http://www.ustsubaki.com

EUROPE

Tsubakimoto Europe B.V.
Scheekloof 1200, 3316 LB Dordrecht, The Netherlands
Phone: +31-78-620-4000
URL: http://tsubaki.eu

OOO "Tsubaki Kabelschlepp"
Prospekt Andropova 18, Building 6
115432 Moscow, Russia
Phone: +7-499-4182121
URL: http://tsubaki.eu

ASIA and OCEANIA

Tawan Tsubakimoto Co. Ltd.
No. 91, Lane 17, Zhicang North Road
Sanhai Town, Taoyuan County, Taiwan R.O.C.
Phone: +886-3-6626110
URL: http://tsubakimoto.com.tw

Tsubakimoto Chain ShangHai Co., Ltd.
Room 601, Urban City Centre, No. NenHang Road
Huangpu District, Shanghai 200002, People's Republic of China
Phone: +86-21-5396-6650
URL: http://chunben.com

PT. Tsubaki Indonesia Trading
Wijaya 15, KDAK 1, Hotel Park Suites 24-15
Jakarta Selatan, 12524, Indonesia
Phone: +62-21-2141-0301
URL: http://tsubaki.id

No. 32, Jalan Astaka 1/A, 41600 Klang, Selangor, Malaysia
Phone: +60-3-1609 8000
URL: http://tsubaki.my

NOTE: The logos, brand names and product names in this catalog are trademarks or registered trademarks of Tsubakimoto Chain Co., Tsubaki E&M Co. and Tsubakimoto Mayfran Inc. in Japan and other countries.
A wide range of Tsubaki products support the needs of the medical industry.

Meeting customers' needs for quality and functionality and contributing to the creation of reliable equipment.

Tsubaki's extensive line-up of products supports every function of medical equipment, taking advantage of the company's many successes and experience with various applications. Contact a Tsubaki representative to learn more about the total solutions we can provide when developing new equipment or reviewing existing models.

### Tsubaki products for medical equipment needs

<table>
<thead>
<tr>
<th>Need</th>
<th>Applicable products</th>
<th>Features</th>
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</thead>
<tbody>
<tr>
<td>Silence</td>
<td>Worm Power Drive®</td>
<td>Reduces vibration and noise thanks to the sliding contact of a worm gear.</td>
</tr>
<tr>
<td></td>
<td>CABLEVEYOR® TKR Series</td>
<td>Quiet thanks to its flexible structure that makes use of the flexibility of plastic.</td>
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<tr>
<td></td>
<td>Power Cylinder</td>
<td>Maintains load using a mechanical brake and self-locking worm gear.</td>
</tr>
<tr>
<td>Compactness</td>
<td>ZIP CHAIN ACTUATOR®</td>
<td>Allows installation in narrower spaces than with linear actuators.</td>
</tr>
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</table>

**What is “self-locking”**

A worm reducer is said to be self-locking if the input shaft does not begin to turn when force is applied to the output shaft to turn it from a standstill condition.

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**Elevating**

**Power Cylinder**

**ZIP CHAIN LIFTER®**

**Pin Gear Drive Unit**

**Electric Cantilever Lifter**

**Worm Power Drive®**

**Coupling**

**CABLEVEYOR®**

**TKC (Closed type)**

**TKR (Low noise, low dust generation)**

**Features of TKR**

### MRI

Nuclear Magnetic Resonance Imaging Equipment

Safe and silent thanks to a self-locking worm reducer. Allows for smooth movement of the equipment.

### X-ray

X-ray Equipment

Backlash-free and thus ideal for elevating a bed into position. This disc-type coupling can absorb deflection, parallel eccentricity, and axial displacement, and is easy to incorporate into equipment.

### Mammography

Mammography

Silent Self-locking No Backlash

### CT

Computed Tomography System

Providing Combined Equipment

We offer multi-functional modules each combining the optimal selection of products from Tsubaki Group's expansive line-up. From X-ray generators to bed lifts, Tsubaki offers solutions to customer needs.
Transferring

ZIP CHAIN ACTUATOR®
Pin Gear Drive Unit
Chains and Sprockets
CLEANVEYOR®
Belts and Pulleys
POWER-LOCK®
CABLEVEYOR®

Horizontal Use
Compact

Can be installed in narrower spaces than linear actuators. It can be installed in any direction, so it can also be used on rotating equipment.

You can eliminate backlash by using "POWER-LOCK". Unlike keyways, "POWER-LOCK" doesn't suffer from backlash even in forward-reverse operations, and thus can safely transfer a bed without loss of performance.

CT
Computed Tomography System

Belts and Pulleys
Clean

A bed can be moved over long strokes by using a long belt. Belts are quiet and allow for clean operation.

Low noise, low dust
"CABLEVEYOR" cable carriers help maintain quiet, clean operations, and can transfer beds smoothly. Available in white upon request.

TOTAL TRAX®

"TOTAL TRAX" is a complete harnessed system featuring a cable carrier and cables/hoses. Cables/hoses with end connectors attached are delivered together with the cable carrier as a set, allowing for quick installation on machinery and equipment. TotalTrax allows users to source from just one supplier and reduce ordering time.
You can eliminate backlash by using “POWER-LOCK”. Unlike keyways, “POWER-LOCK” doesn’t suffer from backlash even in forward-reverse operations, and thus can safely rotate a bed without loss of performance.

In mammography equipment, a worm reducer is used for swiveling, compression and lifting, while its self-locking features make it safe and quiet, putting patients at ease.