
The Largest Orthodontic Laboratory In Japan

GENERAL CATALOG

English Edition



www.aso-inter.co.jp

ASO
International, Inc.
Orthodontic Laboratory Services

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The saying that "time flies" has certainly rung true. With the generous support and cooperation from our clients and partners, ASO International now has more than 35 years in business in Japan so that we are filled with nothing but deep gratitude to everyone.

I opened a one-man dental laboratory specializing in dental orthodontics in Sumida Ward, Tokyo in 1982. This was the beginning of ASO International. I mainly undertook the creation of study models then, but it was far from being a smooth beginning, as very few orthodontists existed at that time. Nevertheless, I strongly believed that there would come a time when orthodontics would be common practice in Japan. Therefore, to widely acquire skills and knowledge of orthodontic techniques and enhance the qualifications of my laboratory, I actively participated in seminars for orthodontists, as well as enrolled in orthodontic courses in the United States. Thereafter, owing in part to introductions from regular clients, my practice grew steadily year after year.

Today, ASO International operates on a nationwide scale through 9 branch offices (Hokkaido, Niigata, Hitachi, Yokohama, Nagoya, Osaka, Nara, Kobe, Shikoku) and 53 satellite labs. in Japan. Our customers already exceed 15,000 in number, and include a large number of public and private university hospitals and dental clinics. On the global scale, we have branch offices in Hawaii, Istanbul, Manila and Taipei and hope to further expand our business overseas in the future.

By introducing the world's latest orthodontic technologies and devices and holding seminars on orthodontic topics, ASO International will spread its wings around the world to contribute to the orthodontic industry on a worldwide basis.

We thank you for your support and guidance and hope you will continue to favor us with your cooperation in the future.

Toshimasa Aso
CEO/President
ASO International, Inc.



Corporate Profile



Headquarters Building



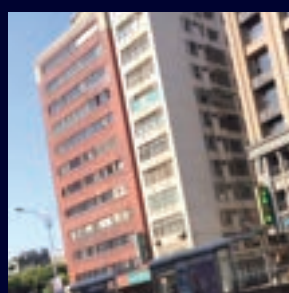
Hawaii Office



Istanbul Office



Manila Office



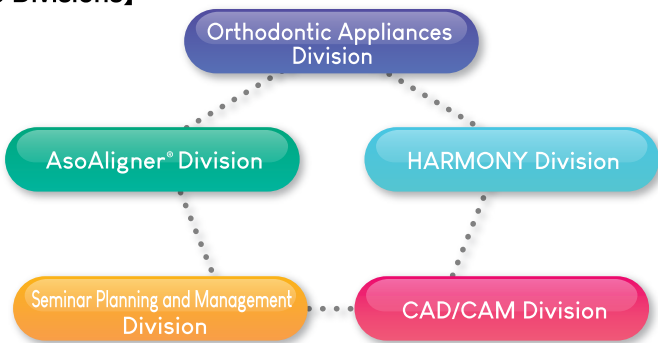
Taipei Office

Offering cutting-edge Technology

— From the World to Japan, and Japan to the World —

Since its establishment in 1982, ASO International, Inc. has steadily grown to become an orthodontic laboratory with a vast network of 9 branch offices and 53 satellite labs. in Japan and overseas bases in Hawaii in U.S.A., Taipei in Taiwan, Istanbul in Turkey and Manila in Philippines. Our five principal business areas are fabrication of general orthodontic appliances, AsoAligner® invisible plastic appliance, Harmony lingua system, CAD-CAM related business, and Seminar Planning/ Management.

【Five Divisions】



The ASO group especially prides itself in its ability to design extremely high precision orthodontic devices, as well as on its prompt delivery of those devices to customers through its

extensive network of sales offices.

Latent demand for orthodontic treatment is high in Japan, where the practice is not as common in Japan as it is in the Western countries. We therefore wish to establish a support framework that would prompt many more people to receive orthodontic treatment for its esthetic as well as functional benefits.

Overseas Network connected with reliability

Tying up with the cutting-edge orthodontic technology and materials

ASO International who is aiming at promoting orthodontic treatments as well as providing reliable orthodontic appliances not only in Japan but also in Foreign countries is tying up with manufacturers and orthodontic associations who are providing advanced and cutting-edge orthodontic technology, materials and information.



ASO International, Inc.
Overseas Network

AMERICAN ORTHODONTICS (USA), BioModeling Solutions (USA), ClearBow (Canada), Dany (Korea), Dental Monitoring (France), Forestadent (Germany), IFUNA, Sobyteck (Pakistan), 3shape (Denmark)

Corporate Profile

Name of company:	ASO International, Inc.
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Phone:	+81-3-3547-0471
FAX :	+81-3-3547-0475
Establishment:	1982
CEO/President:	Toshimasa Aso
Capital:	10,000,000 yen
Main banks:	MUFG Bank,Ltd. , Mizuho Bank
Membership:	JOS (Japan Orthodontic Society) JAO (Japanese Association of Orthodontists) JAAO (Japan Association of Adult Orthodontics) JLOA (Japan Lingual Orthodontic Association) JSDA (Japan Society for Dental Anti-Aging) JADSM (Japanese Academy of Dental Sleep Medicine) IFUNA (International Functional Association)

Orthodontic Appliances Division

Delivering various kinds of more reliable orthodontic appliances to you promptly!

ASO group promises prompt and stable delivery to our customers through nationwide branch offices in Japan as well as overseas offices while having several many orthodontists who have been accomplishing proven orthodontic clinical practices as advisory staffs, we have been doing development of more accurate appliances, designing a new systems, gaining new patents, etc. We continuously do our best for providing satisfactory technical and customer support to meet our customers' needs.



Study Models

There are clinical study models that are essential for diagnosing orthodontic treatments, mounted models, plastic models (RAIKA). Our miniature models included in a fancy plastic display case are well accepted by doctors for their explanation to their patients.



101 ①Tweed Model
②Study Model



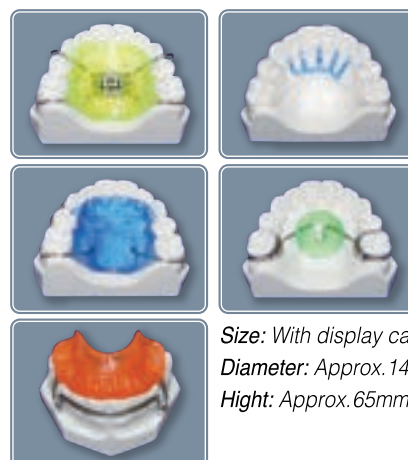
102 Mounted Models
①PANADENT ②SAM
③DENAR ④WHIP MIX



103 Plastic Models(RAIKA)



107 Miniature Models



Size: With display case
Diameter: Approx. 145mm
Height: Approx. 65mm

Miniature Models

Very elaborately fabricated miniature orthodontic appliances suitable for

- Explanation to your patients
- Nice display at your clinic
- Minimizing space
- Attractive design
- Increase clinic image

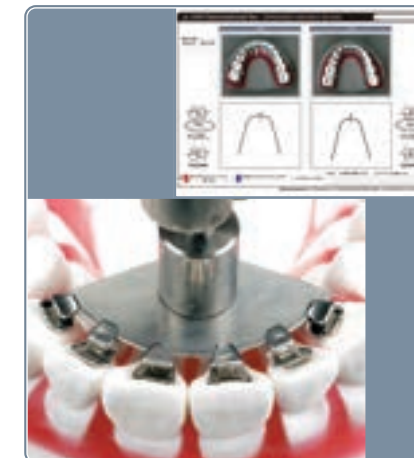
*Possible to fabricate other appliances.

IDB Lingual/Labial

ASO fabricates lingual orthodontic appliances that are bonded lingual side of teeth so that it is an excellent method for pursuing aesthetic appearance.



201 Lingual(Set Up)



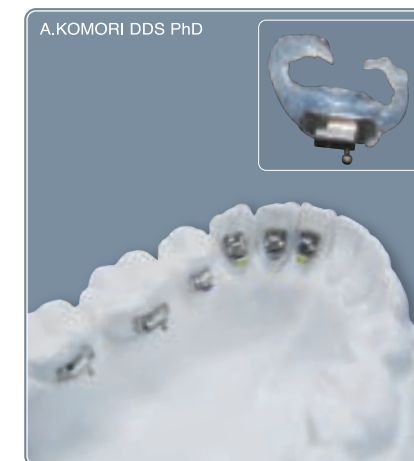
202 Positioning with Chart



203 CRC



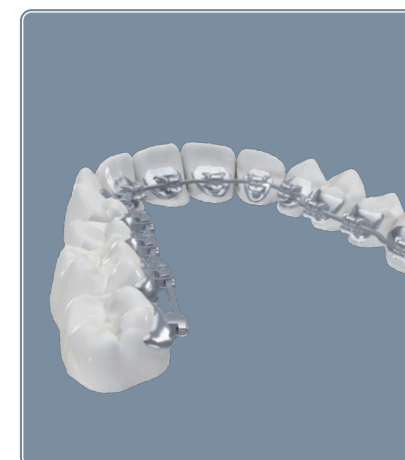
204 Hybrid Core



207 Kommon Base



208 IDB(Labial)



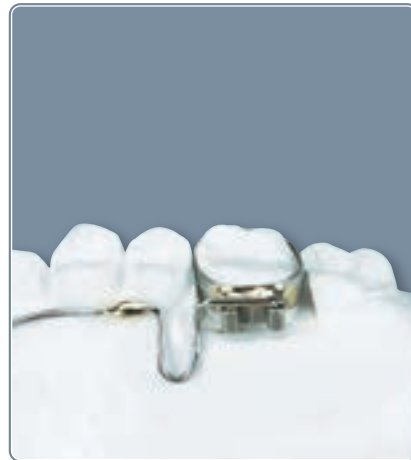
HARMONY System

Appliances I

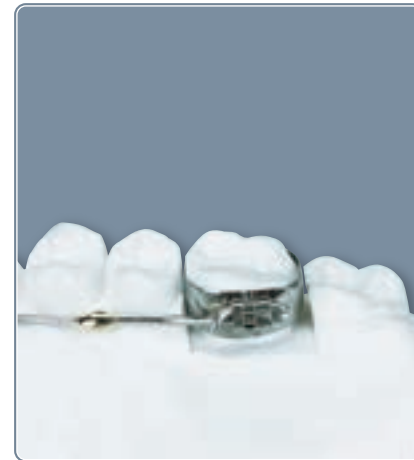
"Appliances I" categorizes mechanical orthodontic appliances which are combined with bands. Typical appliances include Lingual Arch, Quad Helix, Nance Holding Arch as well as Rapid Expansion. It also includes many other appliances for purposes of retaining, expanding as well as moving with spring wires.



301 @Lingual Arch with Solder



302 @Lingual Arch with ST Lock



303 @Lingual Arch with Sheath (Straight Type)



304 @Lingual Arch with 3D



305 Nance Holding Arch (Straight Type)
@with Solder @with ST Lock @with Sheath



306 Nance Holding Arch (Reverse Type)



307 TPA
@with Solder @with ST Lock @with Sheath

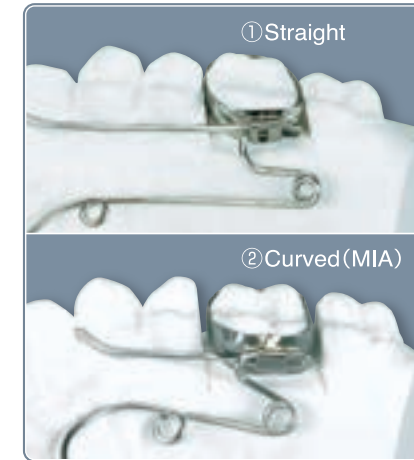


308 Habit Appliances (Crib, Spike)
@with Solder @with ST Lock @with Sheath



309 Quad Helix
@with Solder @with ST Lock @with 3D

Appliances I



310 Quad Helix with Sheath



311 Bi Helix
@with Solder @with ST Lock @with Sheath @with 3D



312 Porter
@with Solder @with ST Lock @with Sheath



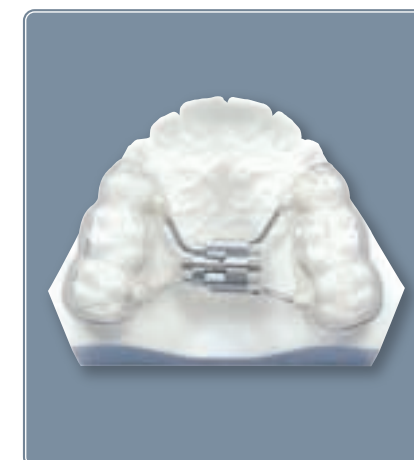
313 Rapid Expansion (Hyrax Type)



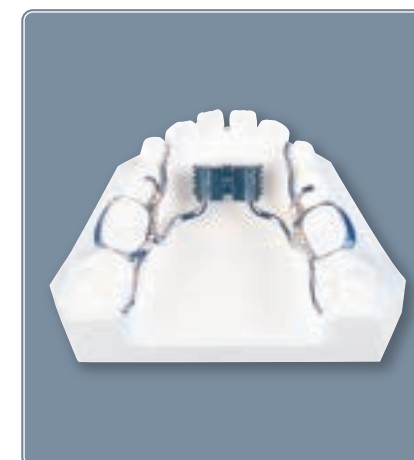
314 Rapid Expansion (Haas Type)



315 Rapid Expansion (Fan Type)



316 Rapid Expansion (McNamara)

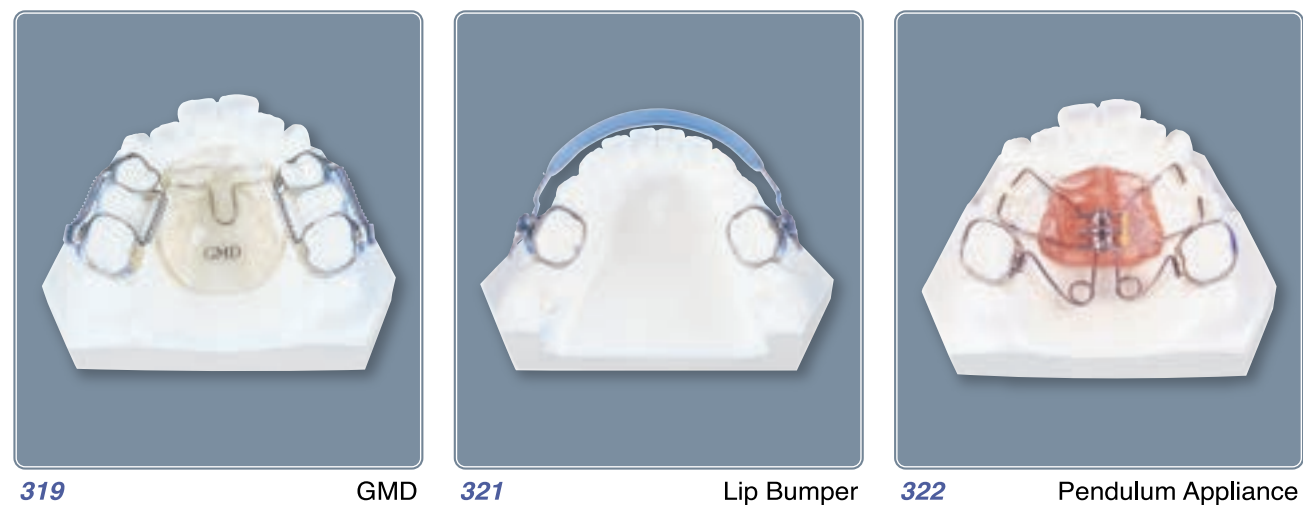


317 Rapid Expansion (Bulldozer)



318 Crozats

Appliances II

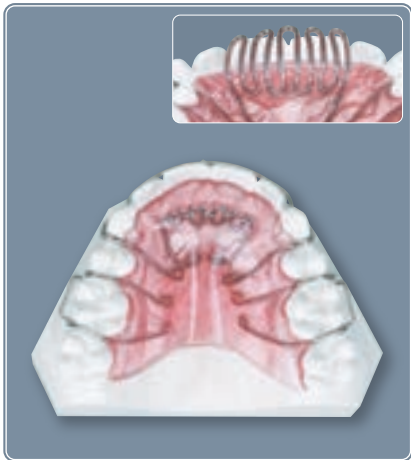


Appliances II

"Appliances II" mainly categorizes removable mechanical orthodontic appliances with using such retainer devices as Adams clasp, ball clasp, etc. and screws. There are various appliances for lateral expansion, fan-type expansion, Sagittal appliance which shifts molars to distal movement. Also, there are many kinds of ways to shift the specific part of a teeth in this category.



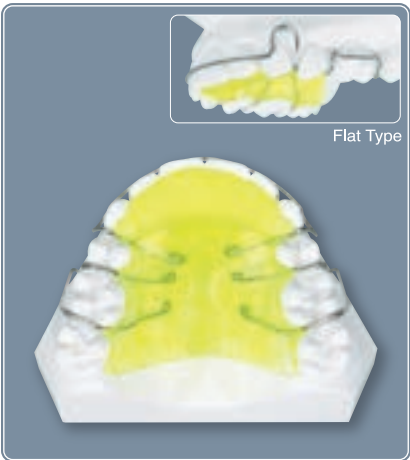
Appliances II



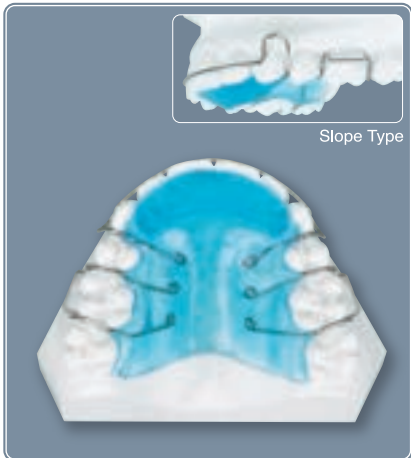
337 Habit Appliances(Crib,Spike)



338 Active Plate



339 Bite Plate



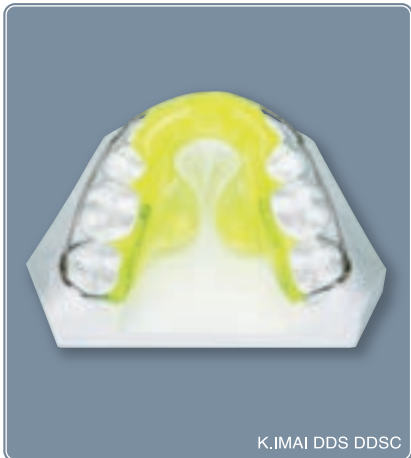
340 Jumping Plate



341 Wedge Plate Type I



342 Wedge Plate Type II



343 Wedge Plate Type III

Functional Appliances

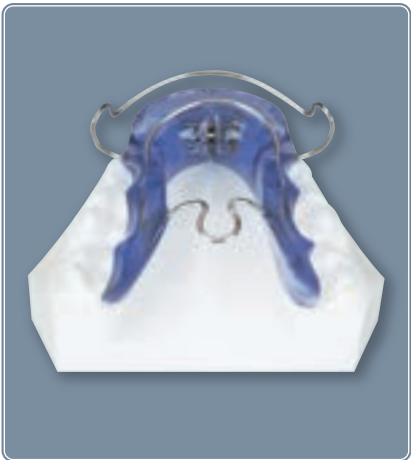
This categorizes removable functional appliances which utilize the patients' perioral muscle and/or bite force. These appliances are used for improvement of malocclusion or growth and development of jawbone so that many kinds of devices are developed according to occlusion conditions or purposes of treatment. Main ones are listed as Activator, Bionator, Bimler, Frankel, etc.



401 Activator(FKO)



402 EOA



403 Bionator I (to Open)
(Orthopedic Corrector I)



404 Bionator II (to Close)
(Orthopedic Corrector II)



405 Bionator III



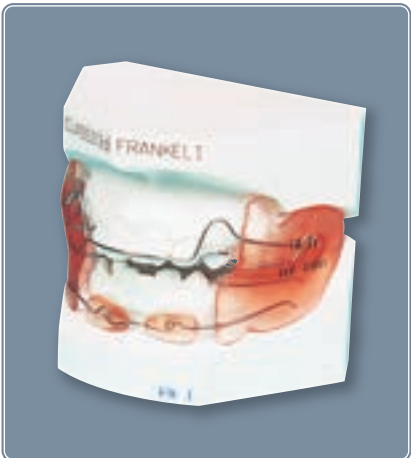
406 Balters



407 Bimler A



408 Bimler C



409 Frankel I

Functional Appliances



410 Frankel II



411 Frankel III



412 Frankel IV



413 Twin Block



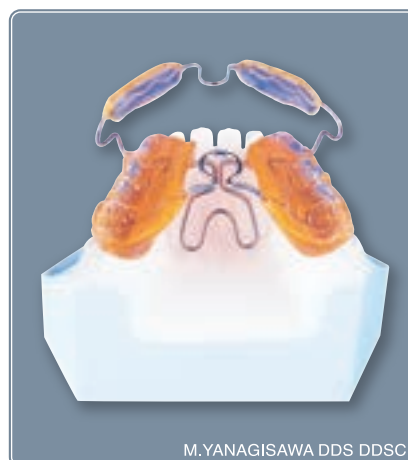
414 BJA



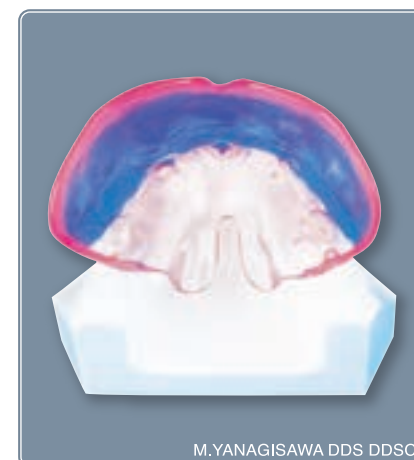
415 Tuescher Activator



416 Activator with Tube



417 Muh Appliance



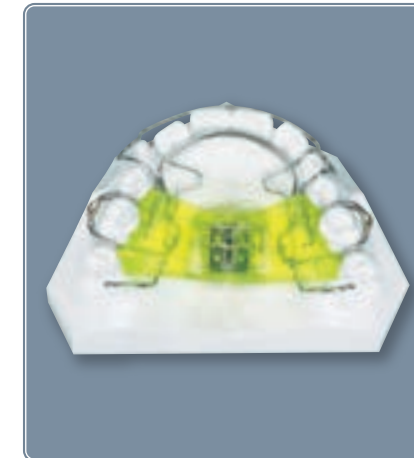
418 Muh Shield

Functional Appliances



419 Herbst Appliance

Biobloc Dr. John Mew



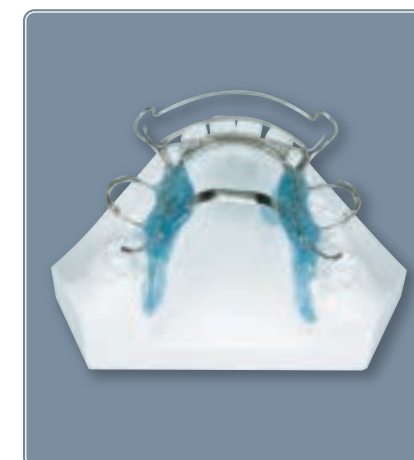
505 Biobloc Stage I (Upper)



506 Biobloc Stage I (Lower)



507 Biobloc Stage II



508 Biobloc Stage III



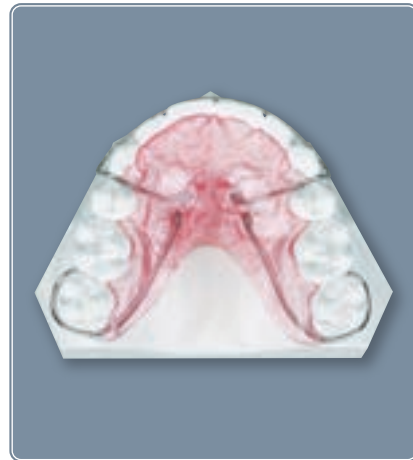
509 Biobloc Stage IV



510 Vestibular Appliance

Retainers

These are retainer devices that prevent from relapsing teeth after completion of active orthodontic treatment. There are several kinds of forms along with teeth arch and/or site of teeth treated. There includes active plates of Hawley type, Wrap Around, etc. as well as mouth-piece and fixed ones.



801

Hawley



802

Wrap Around(Begg)



803

Hawley(Close)



804

Wrap Around(Begg)
Soldered C Clasps



805

Hawley
Soldered C Clasps



806

Wrap Around(Begg)
Soldered Adams Clasps



807

QCM Retainer



808

Hawley with Rests



809

Metal Retainer

Retainers



810

①Spring Retainer
②New Type Spring Retainer



815

Hybrid Clear Retainer



813

①Invisible Retainer
②Soft Retainer



814

Fixed(FSW)



812

Fixed



816

Metal Fixed



818

ClearBow® Retainer



901

Slime Retainer I
Soldered C Clasps(U)



1001

Usual Retainer
Soldered C Clasps(U)

Other Appliances

This category includes oral appliances for treatment for SAS (Sleep Apnea Syndrome), Mouth Guard for sporting and various Positioners.



504 Oral Appliance (Herbst Type)



601 Mouth Guard



602 Mouth Guard
(with a KYOKUSHIN sticker)



603 Mouth Guard with Brackets



604 Night Guard

ASO fabricates Mouth Guards for various sports uses as well as ones during orthodontic treatment upon request.

Mouth Guard -Color Sample-



※ We can make Mouth Guards not only with a single color but also with two-tone color coated with clear.

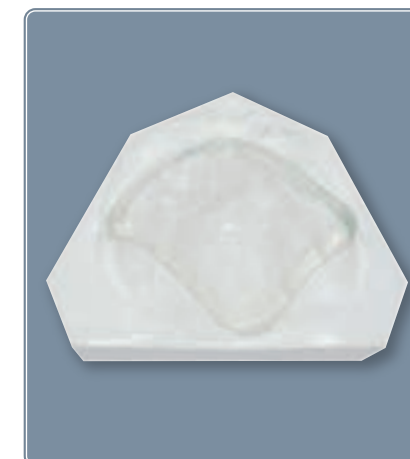
Other Appliances



701 Gnathological Set Up



702 Gnathological Positioner
Using shape-memory resin



703 Hotz Plate



704 DPF



705 Measurement for lower jaw
① MPI ② CPI



706 Gnathological Splint
① Self-curing resin ② Heat-cured resin



707 Multiloop Edgewise Arch Wire
(MEAW)



708 Whitening Tray

HARMONY Division

Bracket bases fully customized by CAM

- Metal bracket bases individually-designed for lingual surface of each tooth.
- Less bracket loss.
- Improved oral hygiene.
- Base as thin as 2/10 mm: *optimal patient comfort.*
- Integration of patented irregularity morphological correctors optimized by CAM:
allows for use of straight wire techniques.
- Overall bracket size can be minimized for patient's comfort utilizing profile adjuster's function: *improved patient comfort.*

The advantages of self-ligating system using MIM manufacturing

- Reduced overall treatment time.
- Reduced appointment times.
- Optimized for sliding mechanics.
- Optimal tooth control (torque, tip, rotation, in-out).
- Interactive self-ligating clip:
 - *Passive at treatment start.*
 - *Low friction during treatment.*
 - *Active at finishing stage if required.*
- Allows for metal and elastomeric ligatures.

Choice of archwire form is left to the orthodontist

- Orthodontic archwires individually-designed using HARMONY software and manufactured by our newly patented wire-bending robot.
- "HARMONY optimized" is one of the most suitable methods for the case treatment, adjusted both with wire bending and bracket profile.
- "Close fit" provides wires fit on each tooth, which allows the maximized patient's comfort.
- "Straight" is designed for straight arch form with brackets in-out adjusted.
- It is also available to keep the arch wire straight in necessary segment in order to perform efficient sliding mechanics.

AsoAligner® Division

Invisible Orthodontic Appliance - "AsoAligner®"

Renewed in April 2018 with "full" digital plus totally new developed software.

AsoAligner® Division provides invisible orthodontic appliance "AsoAligner®" nationwide in Japan as well as foreign countries.

AsoAligner®
DIGITAL

What is AsoAligner® ?



AsoAligner® is a removable thin and clear one-piece type orthodontic appliance so people won't notice that patients are under orthodontic treatment.

Principal of AsoAligner® appliance is to move teeth alignment by utilizing elasticity of the material given to specific teeth.

It requires to send a plaster impression or STL format files scanned by an inter-oral scanner for fabrication. Three kinds of aligners (soft:

0.5mm, medium: 0.6mm and hard: 0.8mm) as a set will be provided to patients for a 1-month treatment in order to control and weaken patient's pain.

AsoAligner®, in general, will be provided to clinics either by a 3-in-1 package (one set x 3-month treatments, 9 aligners) or 5-in-1 (one set x 5-month treatments, 15 aligners).

CAD/CAM Division

The Advanced Dental Orthodontic Digital Model Services.

CAD/CAM Division provides a total of CAD/CAM services by our fully-trained and very skillful dental technicians using the latest and advanced CAD/CAM system maximizing performance of digital merits.

ADS (ASO Digital Study Model Service)

ADS is one of the most ideal services for storage of plaster models which is delivered stl files after plaster models being scanned by 3D scanners.



3D Modeling Service

Fabricate models with layers as fine as 16 microns.

- As this service is our in-house service, not doing outsourcing, you can feel more safe.
- Fabricate 3D models from stl files.
- Enables to do virtual setups, fabrication of AsoAligner® and various other orthodontic appliances.



Distributing 3shape 3D scanners

As a 3shape distributor in Japan, ASO promotes selling various kinds of 3shape scanners to orthodontic market.

TRIOS Intraoral scanners

All start with good impressions!

*High-speed processing by Ultrafast Optical Sectioning™ technology.

Desk-top type Scanners for orthodontics ("R" type)

It enables to reduce storage space and cost. Also, with increased user-friendliness of the system, you can do setups by yourselves.



Seminar Planning and Management Division

Aiming at promoting and improving more accurate orthodontic appliances!

ASO sponsors various kinds of seminars throughout a year by inviting domestic and overseas prominent lecturers for aiming at promoting and improving more accurate orthodontic appliances.



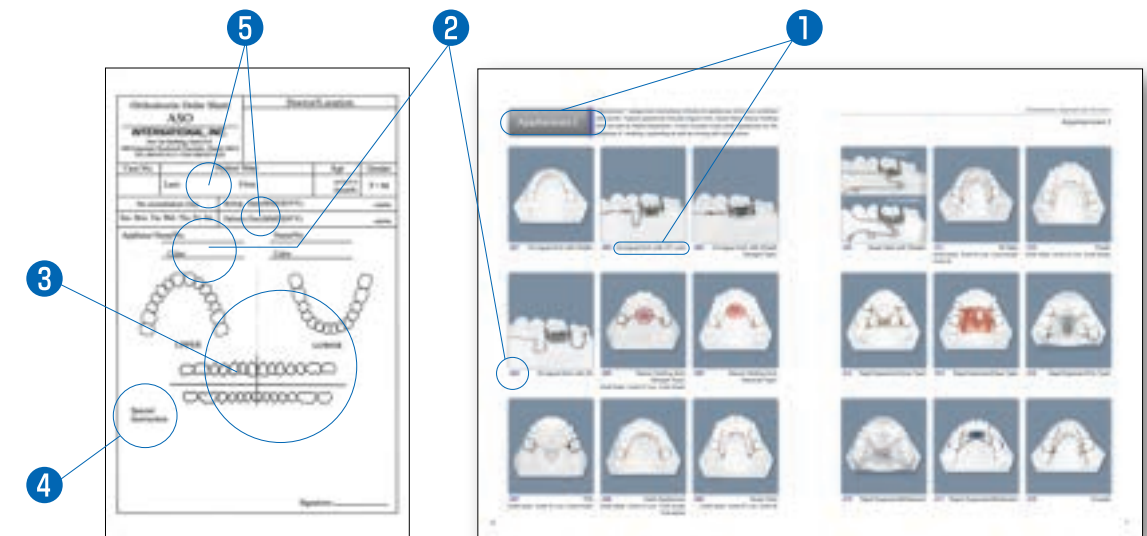
Planning and Management

If you plan to hold seminars in Japan, please contact us.
We will provide various service including our know-how on how to conduct seminars, seminar site reservation, promotion of seminars, distributing seminar flyers, etc.

How to use this Catalog ?

- 1 Please identify appliance(s) you plan to order from this catalog.
- 2 Please describe order number(s) beneath appliance(s) on the order form.
- 3 If you have any specific instruction(s), please design it using this chart.
- 4 Please describe kinds/size of wires, clasps, place of soldering, color of resin, etc.
- 5 Please describe name of patient, delivery due date, etc.

Please describe items 1~5, above, on the order form.



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