

Signo Z300



Thinking ahead. Focused on life.



Signo Z300

The advantage of simplicity

We build equipment to give dental patients better experiences and make treatment more efficient for dental practitioners.

The Signo Z300 is a flat-bed dental unit which embodies this philosophy. By limiting the number of features, we were able to create an outstanding simplified design that emphasizes maximal efficiency and minimal treatment risk.

Professionals using the Signo Z300 can enjoy a natural range of movement, thanks to the refined set of features carefully selected to facilitate efficient diagnosis and treatment.



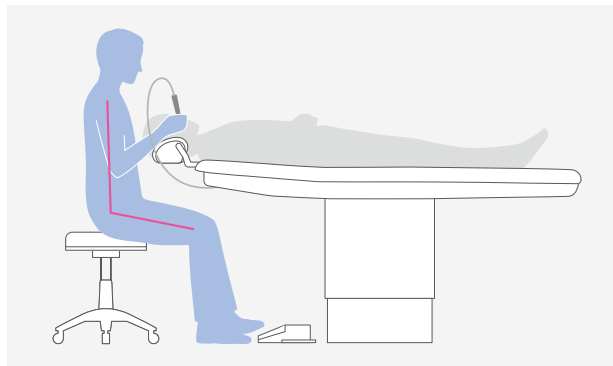
Zero Concept for Dentistry

Ergonomic design provides advantages that can extend dentists' careers.

The benefits of increased work efficiency are not limited to patient satisfaction and improved diagnosis and treatment.

One of our goals is to help dentists in maintaining their professions late in their career.

We design our products according to ergonomic principles and encourage dental practitioners to have a natural posture and relaxed movements as they work.



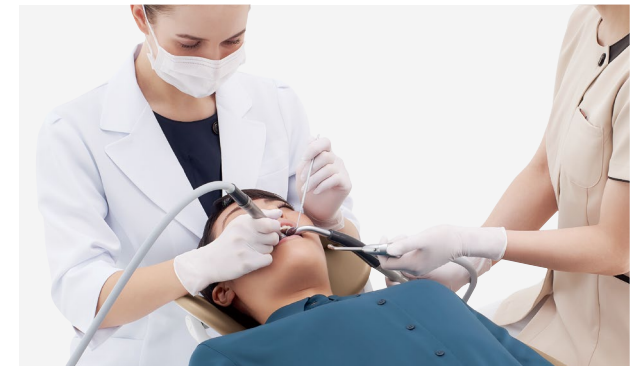
Natural, Relaxed Posture

Morita equipment is designed around the people who use it. First, a space is secured in which practitioners can move freely with a natural posture. Only after that, are the various tool configurations: trays, angles and directions determined. The resulting design enables practitioners to work accurately while minimizing fatigue without compromising on speed and efficiency.



Four-Hands System

Cooperation between practitioner and assistant is vital for precise dental treatment. Morita recommends the four-hands system, in which both the practitioner and assistant work with both hands during treatment. This system enables procedures to be conducted smoothly with the assistant's support.



Mirror Work

Vision plays an extremely important part in dental diagnosis and treatment. By using a dental chair which permits direct and reflected vision, procedures can be conducted with a natural and relaxed posture.

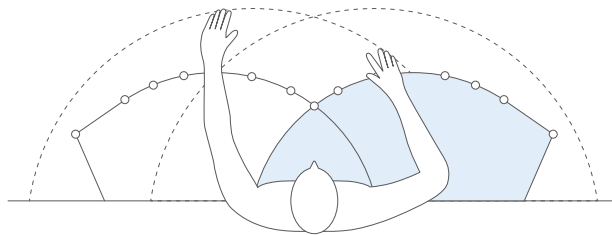
Sustainability

Keeping ideal treatment within reach.

It would be ideal for dentists if treatment could be conducted with natural, unfatiguing motions. This however is very difficult to achieve in actual practices.

Morita was the first company in the world to make a dental chair unit that permits horizontal position treatment. The Signo Z300 is a refinement of this horizontal design that aims to provide dentists with optimal working conditions at all times.

This design allows natural arm movements to be maintained, which is one of our fundamental goals in the design.



----- Maximum Working Area (Barnes)
—○— Normal Working Area (Squires)

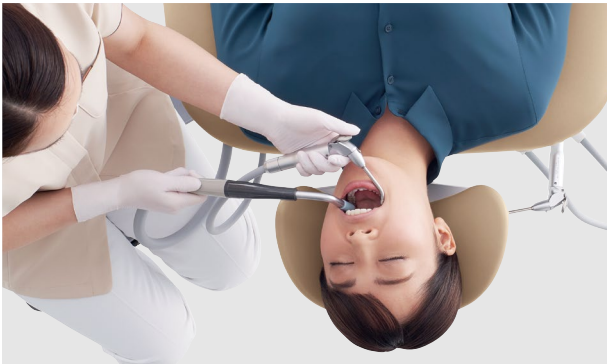




Simple and Safe

Restricting features reduces risk.

By maintaining a sharp focus on simplicity, we were able to reduce risks in various areas.



Reduced Risk of Cross-Infection

The Signo Z300 is not equipped with a spittoon for rinsing. This helps to lower the risk of cross-infection between the patient, the practitioner and the assistant.



Reduced Risk of Malfunction

The number of features has been kept at a bare minimum. Each component has been made highly precisely to reduce its risk of failure. This improves the durability of the dental unit itself, which helps to give it a long service life.



Reduced Risk of Staff Infection

Thanks to the Signo Z300's easy-to-maintain design, the risk of staff being infected is reduced.

Function



Headrest

The headrest cradles the head securely, and pivots at the fourth cervical vertebra in three stages.



Foot controller

All chair and instrument controls are operated by foot.

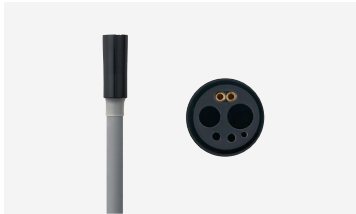


Left- or right-handed operation (Option)

The tray and tube guides can easily be swapped over to allow left- or right-handed operation.

Accessories

Standard equipment



Midwest 4H type
Turbine circuitx2



Three way syringe
WS201x2



Vacuum syringes
VS90

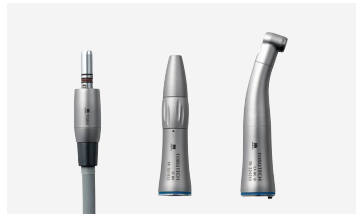


Luna Vue TS

Options



TwinPower Tubine 4H
Coupling CP4-LD



Micromotor Torx
TR-S3 TR-S3-O
TorqTech STDH CA-DC



Three way syringe
WS12N



Tablet stand



Water Tank



Bacteria Cartridge (air & water)



Auxiliary base



Operating Stool Z



Dental Suction Device
TCS-TS2(220V)

Specifications

Name : signo Z300

Model : MUX

Seat lift system : electric actuator

Seat height : Max:880mm Min:610mm

Weight : Approx. 180kg

Standard equipment

Midwest 4H type Turbine circuit×2

Three way syringe WS201×2

Vacuum syringe VS90

Luna Vue TS

Foot controller

Variable speed control function for High speed handpiece

Plumbing Pit

Options

TwinPower Tubine 4H

Coupling CP4-LD

Micromotor Torx TR-S3 · TR-S3-O

TorqTech ST-DH · CA-DC

Three way syringe WS12N

Luna Vue TL

EL mirror

Touchless sensor

Tablet stand

Display arm

Water Tank

Plumbing Pit separate type

Bacteria Cartridge (air & water)

Auxiliary base

Turbine circuit with pressure reducing valve

Solenoid valve AC24V for Ultrasonic Scaler

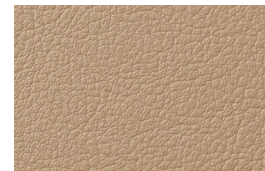
Water warmer

Tray& Paper holder

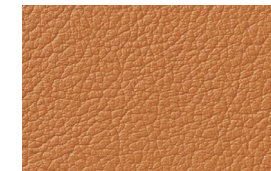
Left- or right-handed operation

Operating Stool Z

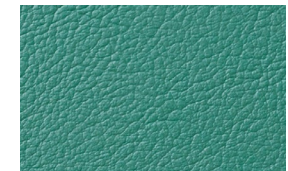
Sheet color



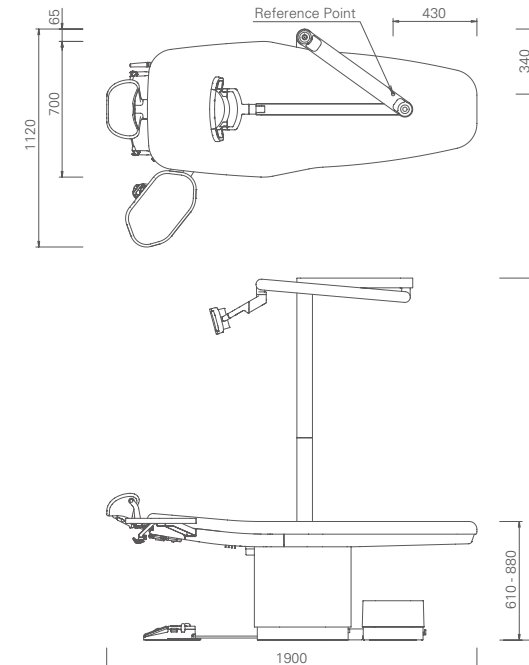
Clay (Z-BE)



Turmeric (Z-OR)



Jade (Z-GR)





Development and Manufacturing

J. MORITA TOKYO MFG. CORP.

Komuro 7129, Ina-machi, Kitaadachi-gun, Saitama, 362-0806 Japan

T +81. (0)48. 723 2621, F +81. (0)48. 723 2622

Morita Global Website

www.morita.com

Distribution

J. MORITA CORP.

3-33-18 Tarumi-cho, Suita-shi, Osaka 564-8650, Japan

T +81. (0)6. 6380 1521, F +81. (0)6. 6380 0585

MORITA DENTAL ASIA PTE. LTD.

150 Kampong Ampat #06-01A KA Centre, Singapore 368324

T +65. 6779. 4795, F +65. 6777. 2279

J. MORITA CORP. AUSTRALIA & NEW ZEALAND

Suite 2.05, 247 Coward Street, Mascot NSW 2020, Australia

T +61. (0)2. 9667 3555, F +61. (0)2. 9667 3577

J. MORITA CORP. MIDDLE EAST

4 Tag Al Roasaa, Apartment 902, Saba Pacha 21311 Alexandria, Egypt

T +20. (0)3. 58 222 94, F +20. (0)3. 58 222 96

J. MORITA CORP. INDIA

Filix Office No.908, L.B.S. Marg, Opp. Asian Paints, Bhandup (West), Mumbai 400078, India

T +91-22-2595-3482

SIAMDENT CO., LTD.

71/10 Moo.5 T.Thakham A.Bangpakong, Chachuengsao 24130 Thailand

T +66. 38. 573042, F +66. 38. 573043

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