Uncompromising model and die precision.
High precision with PINDEX® LaserSystem and PINDEX® DE LUXE

Laser beam assures easy, quick and reliable pin placement.
- Bright laser beam to accurately locate drill position
- Clear visibility in all light conditions reduces eye fatigue
- Focus-free laser light outlasts conventional lights

Whenever precision is an absolute requirement.
- Drill automatically penetrates to exact depth
- Manual drilling procedure
- Plastic housing
- Special introductory pin pack

PINDEX® DE LUXE – If you value additional comfort.
- Precision light beam to accurately locate drill position
- Manual or pneumatic drilling procedure
- Foot switch to activate machine
- Integrated air blow gun
- Metal housing for enhanced durability
- Special introductory pin pack

PINDEX® Laser Retrofit Kit
Upgrade your Mark II* model with the latest technology.
Can be easily fitted without special tools.

* Applies to serial number 840101001 and higher. Kit can not be used on DE LUXE models.
A well-proven system: PINDEX® / TRI-PLUS® for easy fabrication of perfect models and dies.

The Pindex® System offers many decisive advantages for the fabrication of your models and dies: The model can be poured immediately after impression taking without having to position pins first. The impression remains completely unchanged and results in precise models. The precision pins and sleeves are always inserted accurately as the drill channels are always absolutely parallel, enabling easy removal and repositioning of dies. In addition, the plastic or metal sleeves prevent stone abrasion which may occur during repeated removal and reinsertion of dies.

1. The model is poured in the usual manner. Care must be taken to maintain a model thickness from base to the marginal extension (without tooth) between 10–15 mm in order to avoid fracture during drilling.

2. The bottom of the model is trimmed flat. A model trimmer is used to shape the model and a carbide milling machine may be used to remove the palatal area.

3. A flat grinder may be used to trim the model flat if the trimming disc is uneven.

4. Before drilling pin channels, each hole location should be plotted on the occlusal surface of the master model and marked accordingly with a pencil. This facilitates precise drilling and subsequent sectioning of dies.

5. All holes drilled with the PINDEX® machine are parallel. As a rule, two holes are drilled per die, unless a PINDEX® Dual-Pin or TRI-PLUS® Pin is used.

6. PINDEX® Pins are cemented with any cyanoacrylate cement. Important: Always cement short pins first.

7. If two PINDEX® Pins are used per die, the following sizes are recommended: one long pin/white sleeve and short pin/grey sleeve or 2 medium pins/brown sleeves. The advantage of these pins is that they can also be used when the dentition is thin (they need 4 mm less height). Instead of medium pins, conical brass pins with metal sleeves can also be used.

8. The use of PINDEX® Dual-Pins with metal sleeves or TRI-PLUS® Pins with plastic sleeves is particularly indicated in the anterior region.

9. The unique design of these pins prevents rotation of the die. The hole is notched lingually in order to facilitate placement and to identify the position of the pin.

10. PINDEX® Dual-Pins should be placed with the guiding pin labially, which makes sectioning much easier.

11. After cementing the PINDEX® Pins, the corresponding sleeves are placed over them.

12. Before pouring the base, a strip of wax can be placed over the long pins and positioned over the short pins to close the opening of the sleeve.

13. A separating medium is applied to the master model and the base is poured. The use of the PINDEX® rubber base mold is recommended. Important: Pouring the base within one hour after fabricating the model improves accuracy as the base and model stone expand at the same rate. A class IV die stone is recommended for the base.

14. After the stone base has set, the rubber mold can be removed.

15. The base is trimmed as required.

16. To facilitate articulation, self-articulating PINDEX® Pins with sleeves are used. The sleeves are either placed over the metal pins of the PINDEX® rubber base mold before pouring the base or cemented into holes that are drilled into the base later using the PINDEX® machine.

17. The model is adjusted in the articulator.

18. Since all pins are parallel, the master model with the pins can be removed in one piece. Thus, the sectioning of the dies can be performed from the bottom side of the model.
19. Sectioning from the bottom side prevents any injury to the margin extensions. Before breaking the dies, the PINDEX® Handsaw may be used to separate them from above.

20. Safe alignment of the die with Tri-Plus® Pins.

21. The complete PINDEX® model is a precise base for the dental technician to work from.
The PINDEX® System:
All you need for the complete fabrication of precision models and dies.

The patented Tri-Plus® Pin (in two sizes) as well as a comprehensive range of specialty pins with matching sleeves, flexible base molds and the Pindex® Handsaw complete the system.

Tri-Plus®:
Superior precision with economy.

- Tripod design prevents rotation of the die and ensures optimum retention.
- Anti-rotational notch prevents rotation of the die and creates a marking for accurate repositioning of dies.
- Ideal for thin, narrow dentition.
- Economic plastic sleeves guarantee an accurate fit.

PINDEX® Specialty Pins

- PX-155 Tri-Plus® Medium Pin with Plastic Sleeve (16 mm)
- PX-156 Tri-Plus® Long Pin with Plastic Sleeve (20 mm)
- PX-114 Long Brass Pin with Plastic Sleeve (20 mm)
- PX-112 Medium Brass Pin with Plastic Sleeve (16 mm)
- PX-115 Short Brass Pin with Plastic Sleeve (10 mm)

- PX-111B Medium Brass Pin with Metal Sleeve
- PX-153 Dual-Pin with Metal Sleeve
- PX-145 Aluminum Self-Articulating Pin
- PX-145S Plastic Sleeve for Self-Articulating Pin
- PX-118 Aluminum Articulating Pin

PINDEX® Accessories

- PX-119 Carbide Drills
- PX-200 PINDEX® Handsaw
**PINDEX Drilling Machines**

**P-113L** PINDEX® Laser System Model (220V)
- Manual Drilling Procedure
- Plastic Housing 1 pc.
- Complete with Accessories: Chuck Tool, Shaft Lock Tool, Reamer, Allen Wrench, Flexible Rubber Mold Set, Introductory Pin Assortment

**P-113A** PINDEX® MARK II Model (220V)
- Manual Drilling Procedure
- Plastic Housing 1 pc.
- Complete with Accessories as P-113L

**P-110A** PINDEX® DE LUXE Model (220V)*
- Pneumatic and Manual Drilling Procedure, Metal Housing 1 pc.
- Complete with the same Accessories as P-113L Plus: Foot switch Assembly, Blow gun Assembly, Hex Key Wrench, Grounded Cord Assembly

*not available in the EU

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**PINDEX Speciality Pins**

**PINDEX® Long Pins & Plastic Sleeves**
- PX-116 Refill-Pack 100 pcs.
- PX-114 Bulk-Pack 1’000 pcs.

**PINDEX® Medium Pins & Plastic Sleeves**
- PX-102 Refill-Pack 100 pcs.
- PX-112 Bulk-Pack 1’000 pcs.

**PINDEX® Short Pins & Plastic Sleeves**
- PX-117 Refill-Pack 100 pcs.
- PX-115 Bulk-Pack 1’000 pcs.

**PINDEX® Medium Brass Pins & Metal Sleeves**
- PX-101B Refill-Pack 100 pcs.
- PX-111B Bulk-Pack 1’000 pcs.

**PINDEX® Dual-Pins & Metal Sleeves**
- PX-154 Refill-Pack 100 pcs.
- PX-153 Bulk-Pack 1’000 pcs.

**PINDEX® Articulating Pins**
- PX-118 Refill-Pack 100 pcs.

**PINDEX® Self-Articulating Pins & Plastic Sleeves**
- PX-145 Refill-Pack 100 pcs.
- PX-144 Bulk-Pack 1’000 pcs.

**PINDEX® Plastic Sleeves for Articulating Pins**
- PX-145S Bulk-Pack 1’000 pcs.

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**PINDEX® Accessories**

**Carbide Drills**
- PX-119 3 pcs.

**Reamer**
- PX-120 1 pc.

**Light Bulbs**
- PX-124 10 pcs.

**Laser Retrofit Kit** (for Mark II Models only)
- PX-125 1 pc.

**Flexible Rubber Base Molds**
- PX-146 (Full arch, Right and Left Quadrants) 3 pcs.
- PX-147 (Full arch) 1 pc.
- PX-148 (Right/Left Quadrants) 2 pcs.

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**PINDEX® Handsaw System**

**PX-200 Complete Kit**
- PINDEX® Handsaw 1 pc.
- Saw blades 0.18 mm 12 pcs.
- Saw blades 0.25 mm 12 pcs.

**Saw blades 0.18 mm**
- PX-201 Refill-Pack 12 pcs.
- PX-301 Bulk-Pack 100 pcs.

**Saw blades 0.25 mm**
- PX-202 Refill-Pack 12 pcs.
- PX-302 Bulk-Pack 100 pcs.

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**TRI-PLUS® Pins**

**Medium Pins & Plastic Sleeves**
- PX-155 Refill-Pack 1’000 pcs.
- PX-255 Eco-Pack 10’000 pcs.

**Long Pins & Plastic Sleeves**
- PX-156 Refill-Pack 1’000 pcs.
- PX-256 Eco-Pack 10’000 pcs.

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For optimum performance of your Whaledent PINDEX® System, we recommend the use of genuine PINDEX® Pins and Accessories. Look for the on all brass PINDEX® Pins.