

# DenTag - Evolution of Species

## Dentag (登泰格) - 一个物种的进化

As you know, DenTag always produces surgical and dental instruments ... using stainless steel.

Over the years, we have produced, for us and others, innumerable variations of instruments. We have also started the production of tools in aluminum, titanium and with inserts in hard metals but always working in the field of metals. We believe, in our little experience, to have built a recognized standard of quality and reliability. However, we always pay attention to changes and trends in the market that evolves rapidly and sometimes suddenly.

Cyclically we receive requests for instruments lighter but at the same time as reliable as those made of stainless steel. Not being able to change the material used for the tips, to lighten the devices, we can only work on the handles. That is why we started to manufacture an entirely new line of plastic material handles.

Clearly this solution is already used by others before us so that, in the design, we started to study the state of art, trying to take advantage and, if possible, improve the positivity, correcting any errors if we found. The result of this search is a handle which has, we think for the first time, several positivity together:

We are not the first to bring to market devices with plastic handle, but we tried to do it in the best way.

As always we are respecting our quality standards and, we are proud of, 101% Italian quality.

It is known that simple dental instruments such as curettes or double probes may injure the operator's hand or lacerate the glove (with the opposite working points). The possibility of injury is during use, handling or passing the instrument between Assistant-Dentist-Assistant while performing the procedures on the patient.

Directive 2010/32/EU - prevention from sharp injuries in the hospital and healthcare sector, also it states that it's necessary to prevent workers' injuries caused by all medical sharps and pointed devices. Instruments with a handle 100, 105 mm are too short and the tips, even if they are turned contrary than working one, very often touch on the back of his hand.

Instead, what it can do as an additional preventive action is to choose, when buying or replacing, one instrument with a long handle. The longer instruments can be wrapped exactly like the other and, in the event that the dentist use cassettes or trays for sterilization of small size, it will be sufficient to put the instruments in the direction of the longer side.

That's another reasons to choose new DenTag "EVO" family of instruments.

众所周知，DenTag一直专注生制作外科和牙科器械……原材料选择不锈钢。

多年来，我们为我们自己和其他人，制作了无数的各种各样的器械。我们也开始生产其他材质的器械，例如铝、钛以及硬金属的内嵌件，但是一直还是在金属领域。我们相信，在我们有限的经验下，去建立了一个公认的质量和可靠性的标准。即便如此，我们总是关注市场里因发展迅速或是突然发生的变化和趋势。

我们经常收到订单要求仪器轻的同时，还要求原材料为可靠的不锈钢。无法改变材料使用部份的材料，为了减轻重量，我们只能在手柄上想办法。这就是为什么我们开始制造一个全新的制作塑料材料手柄的新产品线。

显然这个解决方案已经被别人在我们之前想到了，所以在设计时，我们开始研究工艺水平，尝试利用现有的优势，如果可能，提高产品性能，纠正我们发现任何错误。

研究探求的结果就是我们在第一次开始研究时就考虑过的手柄，它包含我们要求的性能。我们不是第一个将塑料工具手柄引入在市场的公司，但我们尽自己最大的努力使用最好的方法。

一直尊重并遵守我们的质量标准，我们感到非常自豪，追求101%意大利品质。

众所周知简单的牙科器械,例如刮勺或双探针可能伤害操作者的手或割裂手套(与之相反的工作要点)。在使用过程中是有受伤的可能性的,虽然助理和牙医在对待病人或和使用器械时候履行着操作程序。

欧盟2010/32 /下令——预防在医院和医疗保健领域发生的尖锐器械伤害事故,也同时指出有必要防止来自所有医学专用尖锐器械或锐利的设备对医务工作者造成伤害。

器械操作手柄100、105毫米太短和需要留意,即使他们工作时一个转向与经常接触他的手相反。

然而,它能做什么额外的预防措施作为选择和提醒,当器械或设备购买或更换时需用一个长柄器械。

长的手术器械可以包装的和另一个都一样精巧,如果牙医使用类似长方磁带盒子或消毒托盘的体积较小,就足可以将器械的长边朝着长的方向摆放。

那也是另一个选择新的DenTag "EVO"家族系列器械的原因。

**Material:** Lightweight (11 g) and resistant to stress. Use turns out to be easy, for sure grip and non-fatiguing. Tested and used in the food field, then completely non-toxic and free of potentially harmful substances. Auto-clavable without change of shape and color.

**Form:** 10.5 mm Diameter of the handle and the center of 9.0 mm to minimize the problems to carpal tunnel data from prolonged use in time. Longitudinal notches to increase the grip and the sensibility.

**Construction:** We have inserted during molding of the handle, two stainless steel bushes suitably shaped, in which the tips are then introduced. With this procedure will eliminate the presence of an internal longitudinal metal bar with obvious reduction in weight. The tips are not glued to the plastic and so there is no risk of potentially harmful substances are released.

**Aesthetics:** Profile simple, easy to wash and clean. Without deep grooves or notches that may cause accumulation of germs and bacteria. Since plastic is possible to color in various shades aesthetically pleasing and with advantages for the immediate recognition of the instrument.

**材质:** 重量轻 (11 g) 和抗压力。结果证明使用容易, 抓握牢固以及无金属疲劳。经食品领域测试和使用, 完全无毒, 无有害物质。经受高温高压后无形状和颜色的变化。

**形状:** 工具手柄抓握处直径10.5毫米和中心处9毫米, 以减少由于长时间使用而引起腕管综合症的风险。纵向的刻痕用来增加抓握力与手的敏感性。

**结构:** 在工具手柄的成型阶段, 我们插入两个相配成形的不锈钢衬套, 这个衬套用于随后将工具头植入。这个过程去除了纵向内部金属核的存在, 减少相当大的重量。工具头不是粘结在塑料上, 因此没有释放潜在的有害物质的风险。

**美学:** 简单的轮廓, 容易清洗, 无可能导致细菌和细菌的积累的深沟槽或刻痕。作为塑性材质, 其色彩可以是不同的色度, 美观和并拥有可以立即辨识器械的优势。



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## The Evohandle

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