



齿圈

核心技术

无锡凯彼齿轮技术有限公司对产品的整个加工过程进行严格控制，从原材料到最后的热处理工序。它将专注于：

- 拉床技术
- 氮化处理

我们可以向客户提供包括需要以下设备加工的产品

- 数控车床
- 加工中心
- 插齿机
- 渗碳淬火炉

我们可以加工材料是钢和铸铁的产品。

约了40%-60%的时间，缩短交期同时更加提升了质量水准。并且很多情况下我们能够加工更多的零件。

- **一致性高**：在加工前或加工过程中，无需人为对拉齿设备的运行进行干预。没有人为因素的参与就意味着每批次产品的一致性高。
- **经济**：更短的时间和更少的浪费导致更低的成本，也就意味着更低的价格。而更高的质量对客户来讲也意味着产品的成本降低了。

	<u>Final H.T.</u>	<u>Case Depth [mm]</u>	<u>[HV1] surface</u>	<u>[HV1] tooth base</u>	<u>Quality</u>
42CrMo4	Nitriding	0.25-0.35	600-750	300-330	DIN 7-8
20MnCr5	Nitriding	0.25-0.35	650-750	230-260	DIN-7-8

拉床

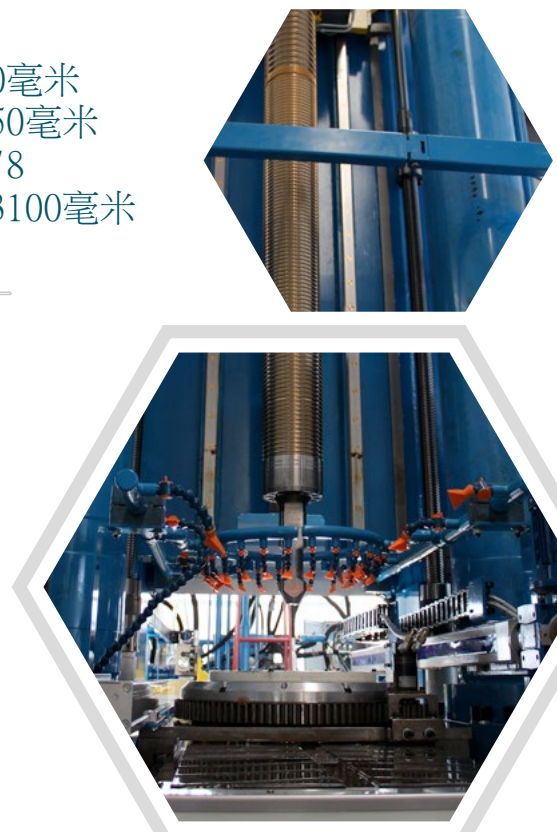
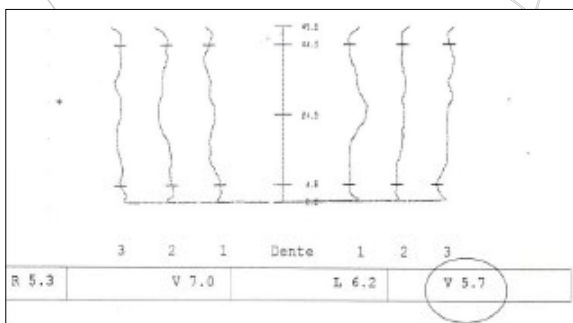
拉齿的效果与插齿很接近，但不同之处是它使用拉刀将整个齿圈零件上的所有齿一次加工出来。通过多年的研究和探索，我们掌握着拉齿的技术和经验，无锡凯彼齿轮技术有限公司拥有160吨拉床，能加工齿圈范围为：内径150mm 至450mm，精度等级为DIN 7/8级

拉床160吨
最大ID =450毫米
最大高度=350毫米
质量= DIN7/8
拉刀长度=3100毫米

为什么选择拉齿？

只为三个理由：

- **节约时间**：和插齿相比，拉齿节



Ring Gears

Technology to compete

Wuxi Gear Tech can follow the production of ring gears throughout their birth, from the raw material, according to the customer specifications, to the finished part, already heat-treated. It is specialized in

- broaching machining
 - nitriding heat treatment
- but it can provide its clients a complete product solution with the support of
- turning machines
 - drilling machines
 - gear shaping machines
 - carburizing plant

Wuxi Gear Tech is able to manage both steel and casting.

Broaching machining
Broaching is a technology similar

1 BROACHING MACHINE 160TON
max ring gear ID = 450mm
max ring gear h = 350mm
qly = DIN 7/8
tool length = 3100mm



to gear shaping but as innovative as it can produce all the teeth in one step using a special tool designed according to the piece. Thanks to the process development of the last years and the long experience of its founders, Wuxi Gear Tech can machine pieces from 150mm up to 450mm of internal diameter with quality DIN7/8 using broaching machines of 160ton.

Why choose broaching?

“Just” for three principal reasons:

- **Time saving:** comparing with gear shaping, broaching takes up to 40%-60% less, reducing lead times with better quality levels. Again, the type of processing also let us to machine more pieces at once in some cases.
- **Quality consistent:** broaching needs no human intervention to make regulations on the machine before or during the process. Eliminate the human component means quality consistent lot to lot.
- **Money saving:** less time and less waste lead to lower costs and that means lower prices as better quality means lower costs for the customers too, during the assembling processes.

