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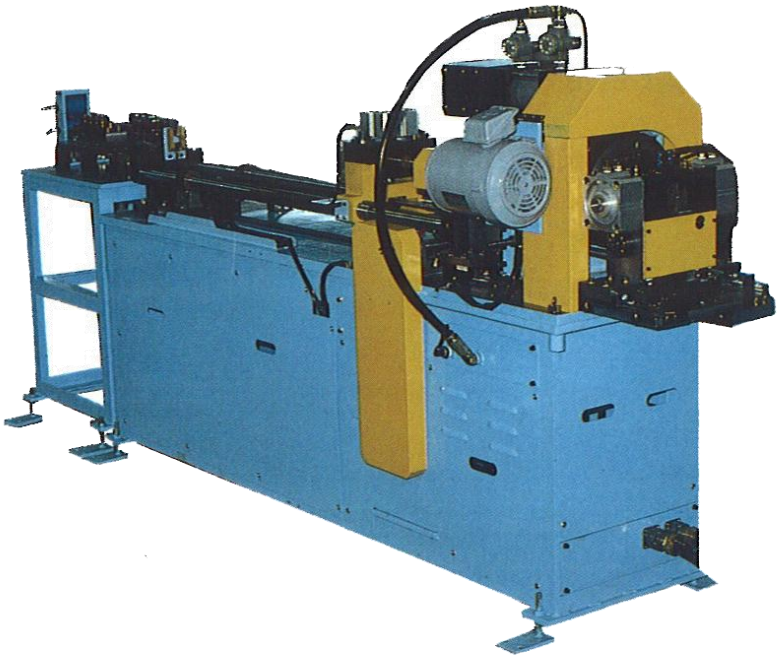
# The brief guide to N/C Tension Cutter



Opton Co.,Ltd.

Ver. 1

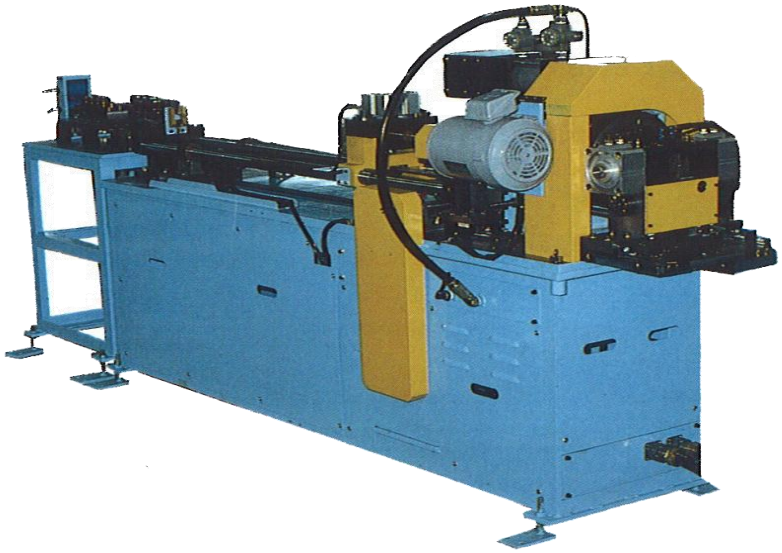
# Tension-applied disc- cutter

Features

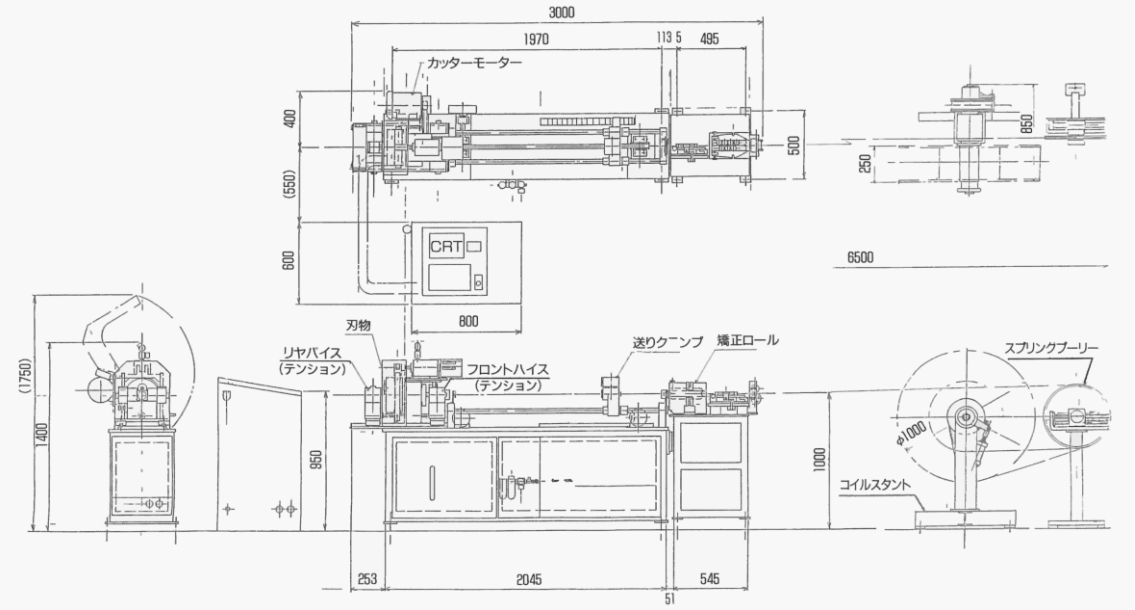
1. Streamlining for better production:
   Thanks to tension applied in two opposite directions, cutting by disc leaves work pieces with only minimized blurs.

2. Work environment improved with no washing needed:
   No cutting chips being made of work pieces thanks to in-feed cutting by the disc blade

3. Easy operation: Dialogue type data entry on the screen.
   Monitoring- and diagnosis- indication helps an operator for easier maintenance work.



## External dimensions

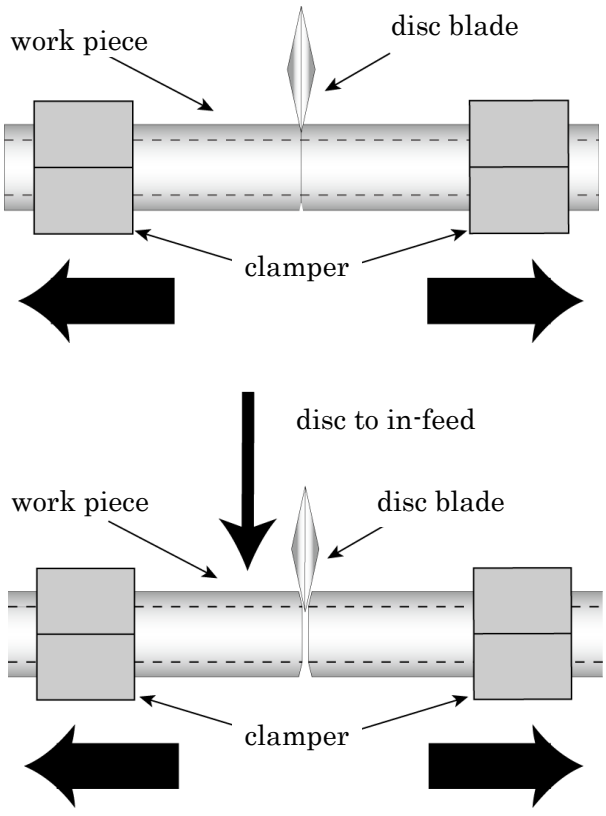



## The outlines

Tension-applied disc-cutter (GC-20BW) is non-lubrication type pipe cutter that improves, with its high working quality and performances, production efficiency and working environments.

Unlike the popular cutting by disc blade, Opton's tension-applied pull-cutting executes cutting of a work piece by in-feeding a disc cutter on the material that is hold by the clamper and pulled outer bi-directionally.

As the disc advances in-feeds, decreasing work thickness can not withstand the tension applied and cause self-fracture at certain point. Because the disc does not push the residual thickness into the inner diameter of work pie, and thus causes no burr.



The table for available series.

| Type | 20 | 50 | 80 | 150 | 200 |
|---|---|---|---|---|---|
| Capacity in OD (mm) | 4~26 | 10~52 | 20~90 | 30~170 | 50~250 |
| Work supplied | Specific length / In coil | Specific length | Specific length | Specific length | Specific length |
| Feed /stroke (mm) | 1,000 | 1,000 | 2,000 | 2,000 | 2,000 |
| Type of tension applied | Mono- & bi-directional | Mono- & bi-directional | Mono- & bi-directional | Mono- & bi-directional | Mono- & bi-directional |
| Cut-off by | Disc blade<br>Chip<br>Laser | Disc blade<br>Chip<br>Laser | Disc blade<br>Chip<br>Laser | Disc blade<br>Chip<br>Laser | Disc blade<br>Chip<br>Laser |
| In-feed mode | Air hydraulic<br>NC | Hydraulic<br>NC | Hydraulic<br>NC | Hydraulic<br>NC | Hydraulic<br>NC |
| Controller mode | PLC<br>NC | PLC<br>NC | PLC<br>NC | PLC<br>NC | PLC<br>NC |

## In starting feasibility study

For starting a study on N/C Tension Cutter, followings are offered:
Please pick up any one below that most suites your initial interest.

1. Opton staff visit to an inquirer is offered to make detailed presentation with DVD on a PC.

2. Opton staff is pleased to make a visit to an inquirer for the best proposal upon Opton's receipt of inquirer's product information covering the title, OD, thickness, material, Q'ty of production, repetitiveness of production etc.

Opton stays always ready to meet anyone above