



# IGGESUND TOOLS

THE CUTTING EDGE OF CHIPPING AND DEBARKING TECHNOLOGY



## DRAGOS

### AN ELEMENT IN OUR QUALITY ASSURANCE



The fact that a bolted joint is the most reliable method for making a joint is not exactly news. So it's not surprising that we have chosen this method for our TKII and STK-NG TurnKnife® systems. Every coin has two sides, and so

have also bolted joints. The advantage of the bolted joint is that the force necessary to keep the joint intact can be calculated very accurately and that a check can be easily made to ensure that the correct force has been achieved. The bolts also minimize the damage caused by waste sand wrecks. The disadvantage is that many bolts must be released and tightened, which is hard work, time consuming and monotonous.

### WE HAVE NOW CUT OUT THE DISADVANTAGE

Our smart Dragos knife resetting robot eliminates all disadvantages of bolted joints. Since it releases and tightens the bolts independently, it simplifies handling, while also improving security.

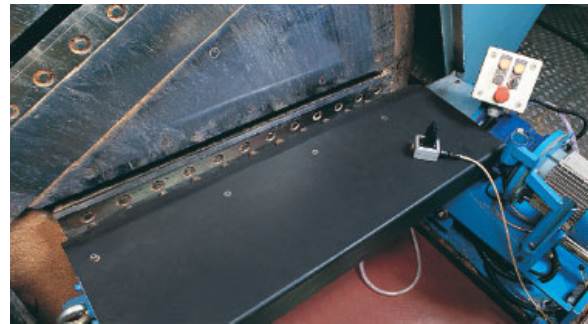
The Dragos is normally included in our service agreements (PartnerChip®) as part of our quality assurance.

### ROBOT WITH CORRECT SETTING

A number of accessories that simplify the adjustment of the robot are available for the Dragos:

- A laser provides a target mark so that the bolted joint will come exactly into place for the Dragos bolt tightener.

- The chipper disc is moved into position by means of a joystick. As a result, the handling precision is substantially improved.
- A worktable is provided above the bolt tighteners for use as support and on which the TurnKnives can be placed during knife change. The worktable is covered with a practical rubber sheet.

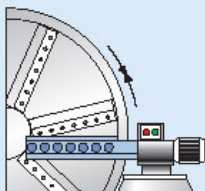


### DRAGOS – THE BOLT WIZARD

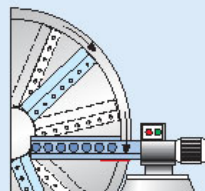
Advantages with Dragos:

- The Dragos gives a safer bolted joint. All bolts are tightened to the right torque and in the correct order.
- The Dragos offers safer handling. The working environment is improved, since nobody's hands are in the way and no bolts will be dropped.
- The Dragos provides safer and quicker resettings, since the automatic bolt tightening reduces stoppage times and improves production economy.
- The Dragos ensures a better working environment, without vibrations and with a lower sound level.
- Fewer stoppages and shorter resetting times ensure that the Dragos will quickly become a profitable investment.

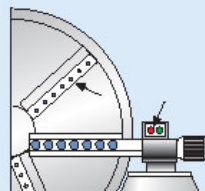
## DRAGOS



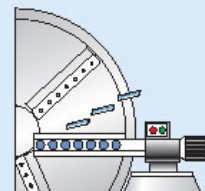
1. Stop the chipper. When the hood has been lifted, Dragos is moved forward to the bolts.



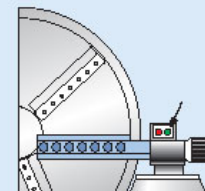
2. The joystick is used to line up the chipper disc against the Dragos bolt tightener. A laser beam assures perfect alignment.



3. Dragos loosens all of the bolts at the same time as the operator uses a tool to clean the bolts on the next knife cassette.



4. After disassembling the knives and cleaning the knife position, the Dragos blows the underside of the cassette clean with its air nozzle.



5. The knives are turned, or replaced, and the bolt connection is tightened by simply pressing a button. The next bolt connection is moved forward and stages 2-5 are repeated.