



H. WINTER HOLZTECHNIK
Leipzig

User Manuel

WINTER CHALLENGE DIGIT – CS (CLAMPING SYSTEM)



HENRIK WINTER HOLZTECHNIK GmbH
Druckereistr. 8

D-04159 Leipzig-Stahmeln

✉ info@winter-holztechnik.de

☎ +49 (0) 341 / 461 90 21

☎ +49 (0) 341 / 461 83 58

👤 Skype: winterholztechnik

🌐 www.winter-holztechnik.de

CHALLENGE DIGIT – CS (CLAMPING SYSTEM)

1. ENTERANCE

This user manual for the machine which; has clamping system DPM KS. Work safety, installation, guaranty conditions, and loading details are in the General user manual.

This document includes rider information for clamping system. All instructions and warnings throughout the manual are available for the machine.

2. CLAMPING SYSTEM SAFETY INSTRUCTIONS

- While machine is working do not touch to the clamps,
- If the board carrying by clamps, do not open the clamps.
- When the machine raises board, do not make any external loading and do not put your foots or hands under the plates. While clamps are moving; be careful against any injuries.
- Do not run the machine if, no belt covers.

3. CLAMPING SYSTEM WORK INSTRUCTIONS

3.1 General Work Instructions

- Lifting system is improved for faster cutting.
- The wideness of plate must be minimum 200 cm and thickness must be maximum 30 mm.
- The plates which; connected clamping system maximum weight should be 300 kg.
- Lifting system can sizing 2 plates together; but plates must have same specifications. If plates has slippery surface, plates can skid. Thus; slippery surface plates do not applicable.
- If lifting system has some pressure please contact with technical service.

WARNING: When cross-cutting always cut from top to bottom.

WARNING: When rip cutting always cut from left to right.


CHALLENGE DIGIT – CS (CLAMPING SYSTEM)


3.2 Panel sizing with Lifting system

3.2.1 Buttons

START: It runs cutting blade.

STOP: It stops cutting blade.

 : Lock the machine for cross cutting.

 : Lock the machine for rip cutting.

CLAMP: lock/ unlock clamps.

MANUEL CONTROL: helps you control clamps as manually.

UNDERCUT TRIMMING: Raises plates automatically for trimming distance.

UP: raises the plates upmost condition (automatically)

DOWN: lower the plates lowermost condition (automatically)



3.2.2 Warning Signals

ELECTRICAL FAULT: check the electrical cables which go cutting motor.

AIR PRESSURE ERROR: check the pneumatic system and air hoses.

ERROR SENSOR: check the limit switches.

CHALLENGE DIGIT – CS (CLAMPING SYSTEM)

3.3 Lifting System Instructions

3.3.1 Connect the panel to liftins system

- Push “UP” button and raising clamps upmost.
- Plates loading on the machine and clamps arrange to handle position.
- If claps are close, turn “CLAMP” button and open the clamps.
- Push down the “MANUEL CONTROL” joystick and downing the clamps until the plates.
- When clamps are ready to handle plates, turn the “CLAMP” button and lock the clamps. Pates connect the clamping system.

3.3.2 Plate Trimming

- After plate connect the clamping system, push the “UNDERCUT TRIMMING” and plates raising automatically undercut trimming distance.
- After plate come undercut trimming distance, make the motor case horizontal position and start to trimming under of the plate.
- Plates trimming down side and down surface will be clear. (picture 2.1)
- After trimming, push the “DOWN” button and lower the plate.



(picture 2.1)

CHALLENGE DIGIT – CS (CLAMPING SYSTEM)

3.3.3 faster cutting by using lifting system

- Plate connects the lifting system.
- Make undercut trimming.
- When plate is connected lifting system, plate is sizing which dimensions want,
- Cutting parts move the left side of machine by hand, and cutting had getting cross cut position.
- The plate which cut horizontally, can cut vertically and completely sized.(picture 2.2)
- Other part of plate, which is staying on lifting system by handled the clamps is lower to pushing “DOWN” button.



picture 2.2

WARNING: While plate is connected lifting system; if plate is up, do not open the clamps.