

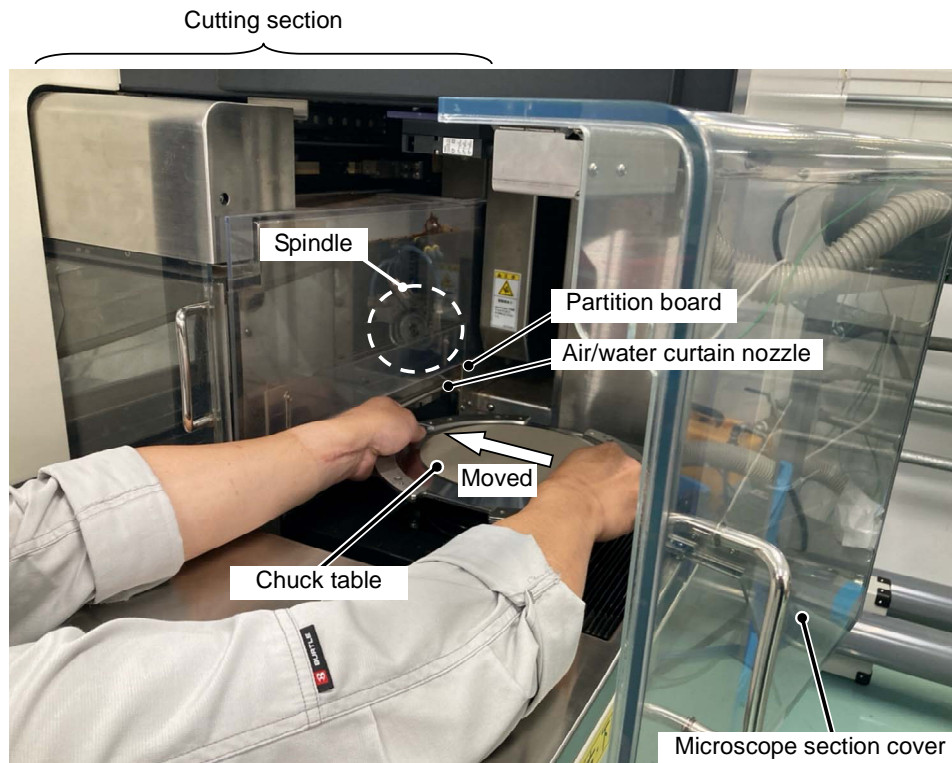
Notification of Software Release for Safety Measures when Opening the FLANGE DRESSING Screen

Applicable models

DAD322 DAD323 DAD3220 DAD3221 (equipment with serial number TK1***) DAD3230
DAD3231 (equipment with serial number TL1***) DAD3240 DAD3350 DAD3360 DAD3430
DAD3650 DAD3660

Introduction

On DAD3350, an operator selected the wrong operation buttons when trying to remove the chuck table. When they opened the microscope section cover and held the chuck table, the hand that was holding the chuck table got caught between the chuck table and the partition board and air/water curtain nozzle when the chuck table tried to move below the spindle, causing an accident that left a slight bruise on the back of their left hand.



Circumstances leading up to the accident

The operator intended to press the <F6: Machine Maintenance> button and then the <F1: C/T Removal> button to remove the chuck table for maintenance purposes. However, the operator accidentally pressed the <F7: Engineering Maintenance> button and then the <F1: Conditioning> button.

In the standard specification equipment, an engineering password (upper level password set by the customer) needs to be input when the <F7: Engineering Maintenance> button is pressed. However, this equipment had a user-specified specification that separates the accessible screens depending on the operator. In addition, this operator had the access rights to open the screen for flange dressing without entering the engineering password.

Specification of applicable models

In the specification of the applicable models, when the <F1: Conditioning> button is pressed on the ENGINEERING MAINTENANCE screen [7.0], the equipment confirms that there is no workpiece on the chuck table after confirming that the microscope section cover is closed, and then the X-axis movement is executed. However, if the microscope section cover is opened while the equipment is checking for the presence of a workpiece, the X-axis starts moving even if the microscope section cover open.

In the specification of the applicable models, the X-axis automatically stops if the X-axis moves away from its origin point. However, the X-axis may move toward the cutting section as there is a time lag before the automatic stop (the movement distance differs depending on the model).

Specification of countermeasure software

In order to prevent the accident from reoccurring, we will release a countermeasure software that initiates the X-axis movement after checking that there is no workpiece on the chuck table in addition to confirming that the microscope section cover is closed when the screen for conditioning operation is opened.

Regarding the countermeasure software

The countermeasure software is embedded in the patch software (part no. PAKBM15V152U) of version 1.52.

If you wish to install the countermeasure software on equipment you already own, please note that the countermeasure software and the installation work performed by DISCO's customer engineer will be chargeable.

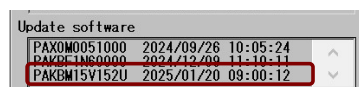
Contact your DISCO sales representative if you would like the software to be installed.

[How to check whether the patch software is installed]

You can confirm whether the patch software is installed by following the procedure below (only when the software version is 1.52).

Open the AUXILIARY MENU screen by pressing the <Aux.> button on the direct operation keyboard and confirm the part no. in the update software field. If the last digit of PAKBM15V152* is "U" or a subsequent letter of the alphabet, the countermeasure software has been installed.

If the software version is a version other than 1.52, contact your DISCO sales representative.



【Support for latest models】

Regarding the DAD324 and DAD3001 series (DAD3221* DAD3231* DAD3241 DAD3431 DAD3351 DAD3361 DAD3651 DAD3661), the X-axis does not move due to the safety aid function of the axis driver stop signal when the microscope section cover is opened. Therefore, these models are exempt from this countermeasure software.

*Equipment with serial number of TK2001 or later and TL2001 or later are applicable.

Inquiries

Please contact a DISCO sales representative or DISCO customer engineer if you have any questions regarding this matter.
