

# Technical Newsletter

#tnl2018-0020e  
# 1 / 2



## Notice Regarding Change of DDS2300 Ionizer (Intermediate Stage Upper Section/Frame Centering Upper Section)

### Applicable models

DDS2300

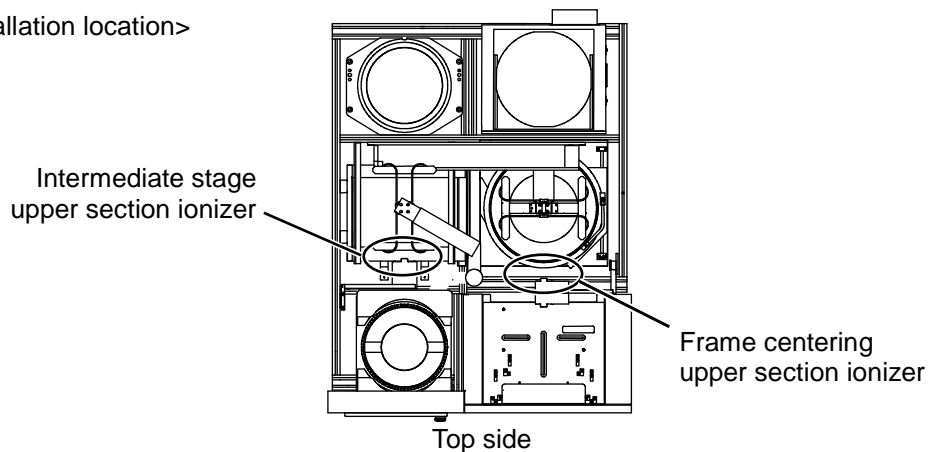
### Notice

Due to production being discontinued, the ionizer for the intermediate stage upper section and frame centering upper section [optional accessory] will be changed. We have verified that static elimination performance will be equivalent before and after the change (see next page).

	Before change	After change
Part No.	DEFERTF0601-0	LNLS-020024-0
Appearance		
Type	Fan type	Fan type
Purpose	Area static elimination	Area static elimination
Electrical discharge method	Steady-state DC method	Pulse AC method

The ionizer maintenance method will differ before and after the change. For details, please see the maintenance manual included with the machine.

### <Installation location>



Note: The ionizer [optional accessory] is installed in only one of the locations.

### Timing of change

Ionizers will be replaced gradually starting in October 2018, once the pre-change ionizer is no longer in stock.

# Technical Newsletter

#tnl2018-0020e  
# 2 / 2



## Performance verification results

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These are reference values measured on a machine.

### Measurement method:

We measured the following at the workpiece position.

- Discharge time from  $\pm 1,000$  V to  $\pm 100$  V
- Ion balance (value measured every 10 seconds)  
(Measurement unit: 159HH charged plate monitor manufactured by Trek)

### Verification results (when installed in the intermediate stage upper section):

	Measurement	+Discharge time [s]	-Discharge time [s]	Average charged voltage [V]	Maximum charged voltage [V]*	Minimum charged voltage [V]*
Before change	1st	4.3	4.2	2	6 (+4)	0 (-2)
	2nd	4.1	4	3	7 (+4)	0 (-3)
	3rd	4.2	4.1	3	7 (+4)	0 (-3)
After change	1st	2.2	2.7	1	3 (+2)	0 (-1)
	2nd	2.1	2.7	0	3 (+3)	0 ( $\pm 0$ )
	3rd	2.1	2.7	0	2 (+2)	-2 (-2)

Note (\*): Value in ( ) is the difference from the average charged voltage.

### Verification results (when installed in the frame centering upper section):

	Measurement	+Discharge time [s]	-Discharge time [s]	Average charged voltage [V]	Maximum charged voltage [V]*	Minimum charged voltage [V]*
Before change	1st	2.1	2.5	2	6 (+4)	0 (-2)
	2nd	2.2	2.4	1	5 (+4)	-1 (-2)
	3rd	2.1	2.4	1	5 (+4)	0 (-1)
After change	1st	1.8	2.1	0	3 (+3)	0 ( $\pm 0$ )
	2nd	1.8	2.1	0	3 (+3)	-1 (-1)
	3rd	1.8	2.1	0	3 (+3)	-1 (-1)

Note (\*): Value in ( ) is the difference from the average charged voltage.

## Inquiries

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

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