

# 氮气干燥机 NITROGEN DRYER

## DNK series

从料包至成型的原料管理!  
不伤及原料, 安定成型!

Control throughly from Raw Material Bags to Molding Machines.  
No Damage to Raw Material for Stable Production.

### 减少由环境·人·材料因素导致的误差

Reduce the error associated with environment, operator, and material

- 不受工厂的湿度·温度影响的稳定化系统
- 使投入成型机的材料状态(水分、气体)稳定, 通过最低限度地加热让材料保持更好的状态
- Stabilization system gets no effect from factory ambient humidity and temperature
- Make material in better condition by stabilizing conditions such as moisture and gas with minimum heating temperature

### 防止黄变, 干燥循环氮气浓度99%以上

Prevent yellowing with over 99% nitrogen concentration in the system

### 光学用洁净配置(op)

Clean spec for optical application (option)



DRIVER  
十数  
DNK series

### 交互式人机界面

Interactive Human-computer Interface

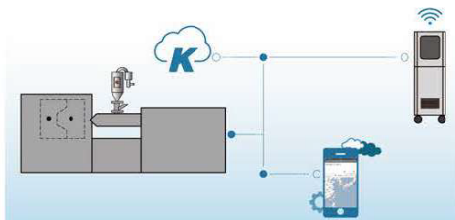
- 采用触摸屏控制
- 温度、压力(OP)、流量等可同步显示
- 报警履历等信息可显示
- 可视化界面, 操作人性化
- Touch screen control
- Temperature, pressure(OP), flow, etc. can be displayed simultaneously
- Alarm history and other information can be displayed
- Visual interface and humanized operation



### 丰富的IoT通讯机能

Multi-functional Internet Of Things

- RS422/485串口, RJ45以太网口
- MODBUS-Rtu, SPI, MODBUS-Tcp通信
- 预留扩展通讯口
- 互联网技术的应用, 实现远程监控、数据统计和分析等大数据处理
- 进行川田K-Cloud云平台服务(OP), 远程健康预诊及设备生命周期管理, 设备维修管理。
- RS422/485 serial port, RJ45 Ethernet port
- Modbus-Rtu, SPI, Modbus-Tcp communication
- Reserved expansion communication port
- Application of Internet Technology For big data processing including remote monitoring and control, statistics and data analysis
- Connecting to KAWATA K-Cloud Platform(OP), Remote health pre-diagnosis and equipments' lifecycle management. Equipment maintenance management.



### 规格 Specifications

型号/Model	DNK-5-KS	DNK-10-KS	DNK-15-KS	DNK-20-KS
风量/Air flow (m <sup>3</sup> /h)	25			45
注入氮气露点/Dew point (°C)	-40以下/Below			
干燥温度/Drying temperature (°C)	60~160			
干燥风量/Drying blower capacity (50Hz)(kW)	0.17			0.28
干燥加热管容量/Drying heater capacity (kW)	1.5			2
干燥料筒有效容量/Drying hopper effective capacity (L)	9	16	21	30
干燥料筒装料量/Drying hopper feeding volume (kg)	5	10	15	20
输送风机容量/Conveying blower capacity (50Hz) (kW)	0.28			
原料箱容量/Main tank capacity (L)	52			72
压缩空气用量/Compressed air requirement (L/min)	80 (0.5~0.7MPa) (配管口径Φ8/Pipe size Φ8)			
负荷隔离开关容量/Switch disconnecter capacity (380~415/200-220V)(A)	32			
总电气容量/Power supply (50Hz) (kW)	2.0			2.6
机器重量/Weight (kg)	本体/Tank Unit			
	干燥料筒/Drying hopper			20
	20	27	27	35

- 本系统可能会发生因不同的原料批次及长期残留物等导致无法对应的情况。
- 若定期维护不到位, 可能会影响机器原本的性能。
- 本机器虽为材料稳定的装置, 但无法对因模具·成型条件导致的不稳定。
- The system may not be suitable for some material which includes different production lot and long-time retaining etc.
- The system may not work properly when periodical maintenance is not appropriately done.
- The system is designed to stabilize material condition. Not to stabilize condition affected by mold and machine etc.

### 对应特殊树脂 Special material available

PA46	◎
PA4T	◎
PAGT	◎
PA9T	◎
COC	◎
COP	◎
光学用特殊聚酯/ Special polyester for optical use	◎
光学用特殊聚碳酸酯/ Special PC for optical use	◎

### 示意图 Image



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