# INI SERVO PRESS (DSP-1500)





DAI-ICHI DENTSU LTD.

LOW LOAD SERVO PRESS



### INTRODUCTION

Recently, miniaturization and precision are in progress in the mechanical industry and electric industry.

The improvement of quality is also required even the range of low load.

For pressing small components electronic and resinous parts,

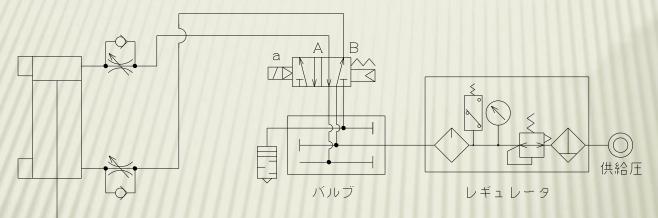
### MINI servo press is so suitable for these applications.

Let me explain how merit you can by replacing with MINI servo press from current pneumatic method.



エアシリンダ

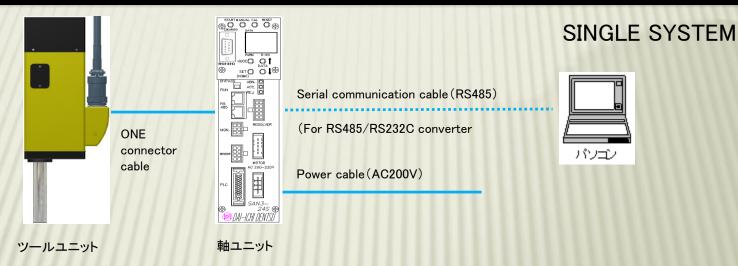
### FEATURE OF PNEUMATIC STRUCTURE



- ① Required to adjust pressure by regulator on setting up load
- ② Required to adjust speed controller on setting up speed.(Speed is fixed.)
- ③ No function for judging load.
- ④ Distance and position can't be recognized.軸の移動距離、
- 5 Takes much time to install to piping and wiring.
- Required to install parts and diagram if functions of ③ and ④ are added.



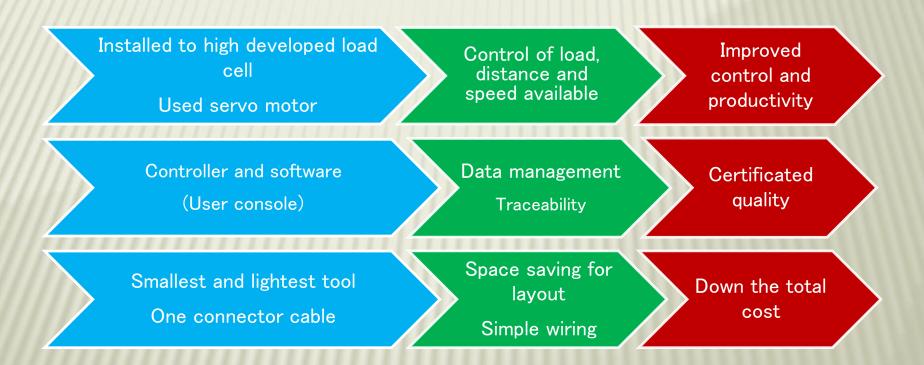
### RECOMMENDATION FOR REPLACING MINI



- 1 Easy set up with software (USER CONSOLE)
- 2 High precision pressing available with controlling load.
- 3 Safety pressing operation available with controlling distance.
- 4 Speed can be controlled from 0.1mm/sec and it's changeable for 3 step.
- 5 Simple wiring with one connector cable.
- 6 Contributed to reduce the energy consumption.



## **FEATURES**





## TOOL SPECIFICATION

DESCRIPTION	CONTENTS	
MODEL	DPM-050H1-10P	DPM-011H1-10F
MAX.LOAD [kN]	0.5	1.0
LOAD OF CONTINUOUS RATINGS [kN]	0.5	0.55
MAX.SPEED [mm/s]	130	
STANDARD STROKE [mm]	100	
DISTANCE ACCURACY[mm]	±0.01	
LOAD CELL ACCURACY [%]	±1.0 F.S.	
DIMENSION [mm]	$49(W) \times 153(D) \times 270(H)$	
WEIGHT [kg]	4.0	



## CONTROLLER SPECIFICATION

DESCRIPTION	CONTENTS	
MODEL	SAN3-24H SM/SMS	
MOTOR TYPE	RH1	
DIMENSION [mm]	$74(W) \times 175(D) \times 235(H)$	
WEIGHT [kg]	1.4	
POWER VOLTAGE [V]	3phase AC200~220V ±10%	
POWER FREQUENCY [HZ]	50/60	
CONSUMPTION POWER RATINGS [W]	80	
ENVIRONMENT	Axis unit should be installed to dustproof enclosure.(control panel)	
CONDITION	Temperature : $0^{\circ}$ C $\sim$ $+45^{\circ}$ C Humidity : under 90%RH	
SERIAL COMMUNICATION [bps]	RS232C、RS485 : 9,600、12,800、38,400	
STANDBY POWER[W]	18	
OPERATING METHOD	Load method/Distance method	
RANGE OF OPERATION	1cycle duty ratings : within 50%	
NO. OF PROGRAM	32 kinds(32 parameters)	
NO. OF STORAGE	10,000 results	
CABEL LENGTH [m]	FANDARD: 5m or 10m *Cable length can be customize	

## MINI

## **MAINTAINACE**



#### Proofread load cell

- · Installed to pre-amplifier with self-diagnostic function.
- · Proofread of load cell available at user's site.



#### Lubricate Grease

- · Lubricating Grease available to ball screw by brush or spatula.
- · No need to prepare specific tool.



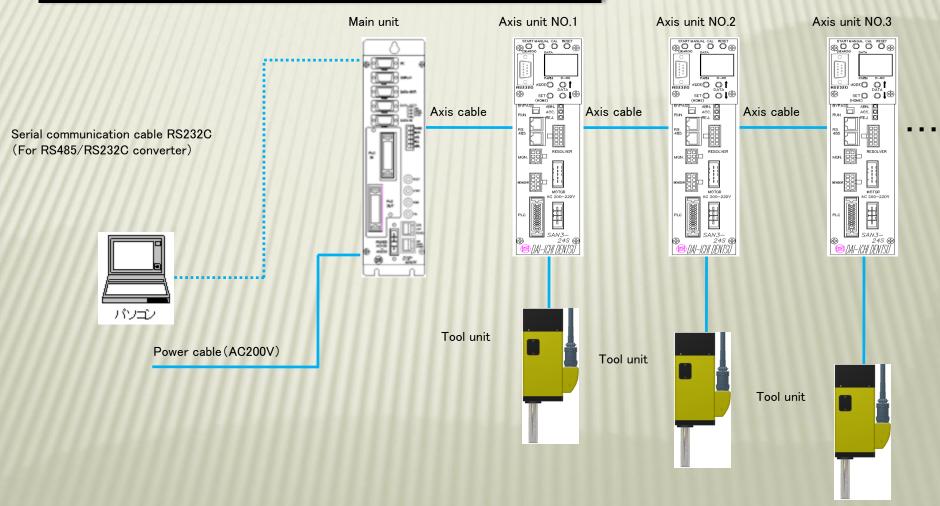
#### Adjust belt

· Installed to tension bolt.

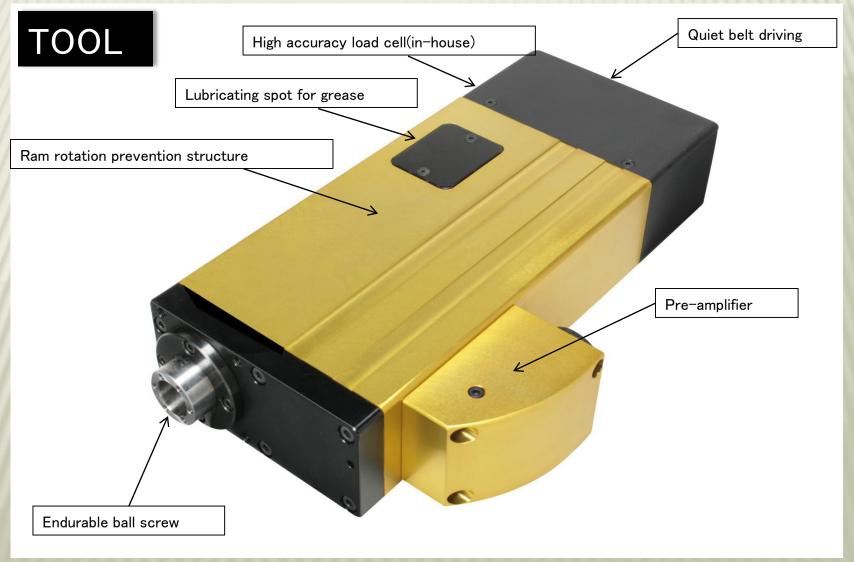


## SYSTEM CONFIGURATION

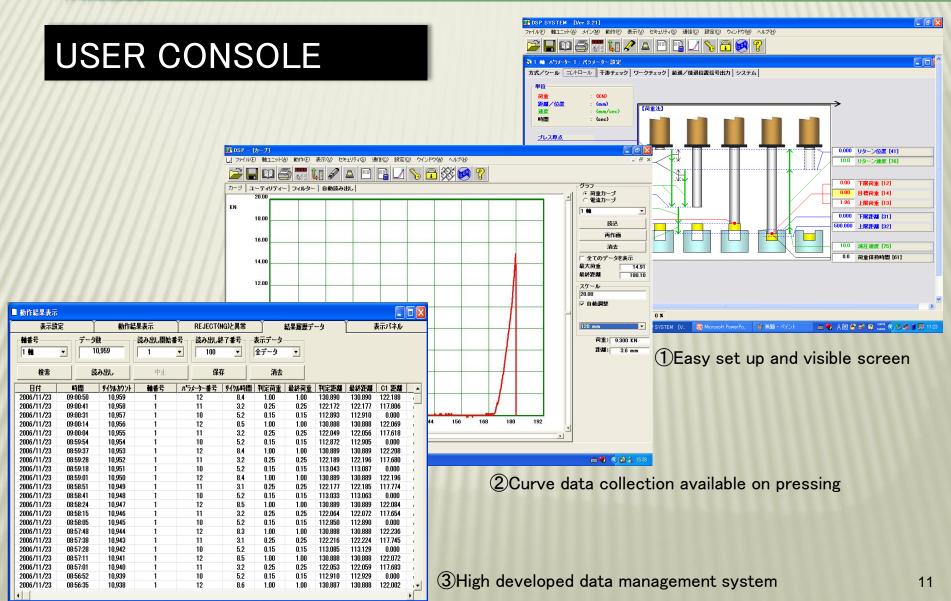
#### MAIN SYSTEM



## MINI









### TROUBLE SHOOTING

#### INSTALLED TO IN HOUSE SELF-DIAGNOSTIC FUNCTION WITH ID DATA



ACCEPT LED alarms as OK.



REJECT LED alarms as NG.



ABNOMAL LED alarms as abnormal.

Alarm abnormal code from display.

Recognize abnormal condition.

Conduct the suitable solution.

High self-diagnostic function contributes to prevent from defective products in advance.

Controller stops itself if the abnormal is detected.

## MINI

## AFTER SALES SERVICE



## WE PROMISE YOU



DDK CAN SUPPORT AFTER SALES SERVICE WORLWIDELY.