

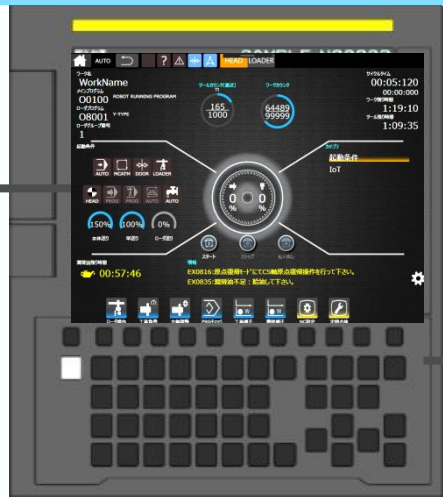
# New Operation System integrated with IoT Technology **TAKAMAZ**

1.Home Screen  
Reduced Production  
down Time

※Only for XT-6 FANUC Loader

FANUC

Touch Panel



MDI key



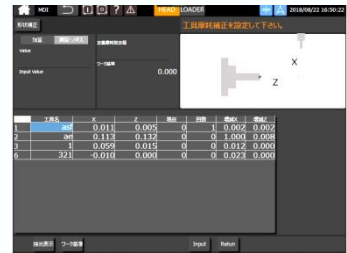
Conventional Operation

2.Loader Short Set-up Time

3.Wear Offset Secured Input

4.Set-up Improved Set-up

5.Monitoring Labor Saving



# 1. Home Screen

Inform machine conditions in advance and prevent production stop

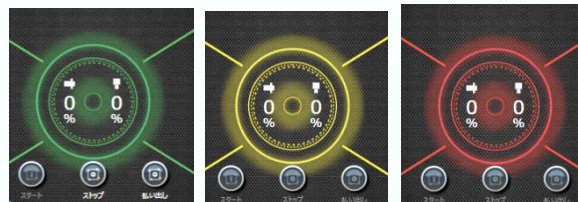
Smooth Start-up Operation by displaying those conditions



Preparation in advance becomes possible by displaying estimated finish time for tools & workpieces.

Count-down display showing time to Lub. Oil running out.

Easy calling of screens according to your purpose.



# 2.Loader Operation

Realized easy loader operation even for beginners

Easy Operation

Reduced Loader set-up time  
Position display function

Enabling Loader motion change

PointGroup 01

	Y	Z
0	0.000	0.000
1	0.000	0.000
2	0.000	0.000
3	0.000	0.000
4	0.000	0.000
5	0.000	0.000
6	0.000	0.000

- ワーク設定番号 1
- 1.ワークサイズ 50 mm
- 2.ローダ爪で掴む位置 20 mm
- 3.ワークの掴み代 10 mm
- 4.逃げ量 1 mm
- 5.供給時に掴む位置 30 mm

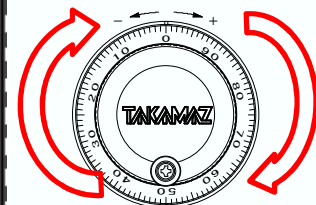
```

//CNC_MEN/USER/LC1/
08001 (Y-TYPE) ; (FG-EDIT) LOADER
#1100=0 ;
IF[#1011 EQ 1]OR[#1013 EQ 1]
GOTO 1 ;
IF[#1014 EQ 1] GOTO 1 ;
IF[#1012 EQ 1] GOTO 2 ;
M30 ;
N1 (AREA1 3 4 RETURN) ;
G101 Y0 F20000 ;
G04.1 ;
G101 Z0 F20000 M279 ;
G04.1 ;
GOTO 6 ;
N2 (AREA2 RETURN) ;
G101 Y0 F20000 ;
G04.1 ;
G101 Y0 F20000 ;
    
```

Reduced motion checking time  
• Program checking by handle

```

08001 (FG-EDIT) LOADER
08001 (Y-TYPE) ;
#1100=0 ;
IF[#1011 EQ 1]OR[#1013 EQ 1]
GOTO 1 ;
IF[#1014 EQ 1] GOTO 1 ;
IF[#1012 EQ 1] GOTO 2 ;
M30 ;
N1 (AREA1 3 4 RETURN) ;
G101 Y0 F20000 ;
    
```





# 3. Wear Offset

Even beginners can perform offset operation without any trouble

形状補正

加算 測定

入力値 13

加算入力予定値

定置摩耗設定値 0.001

ワーク基準 X 30.000

X軸補正量を設定して下さい

工歩名	X	Z	現在	回数	増減X	増減Z
1 外径荒	0.050	-1.030	0	1	0.002	0.002
3 外径仕上	0.012	0.000	0	0	0.012	0.000
4 ドリル	0.121	0.000	0	0	0.000	0.000
6 端面仕上げ	0.000	0.000	0	0	0.023	0.000

加算値入力 入力戻り

Simple wear offset by workpiece measured dimension input

Intuitive quantitative wear offset input

Preventing mistake of offset selection by not displaying offset No. which is not used.

Return to previous offset amount to eliminate re-measuring

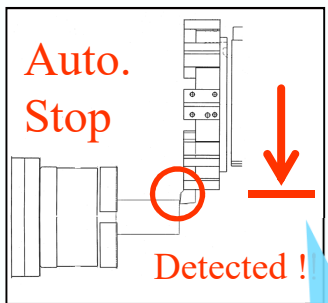
# 4. Setting up

Supporting tool alignment operation by assist functions

Simple Tool Alignment by Wizard format

Safety·Simple Tool Alignment with workpiece & tool Auto Recognition

Instruction by Pictures and Messages according to each operation



Auto Stop of manual hand feed op. when touching a workpiece.

Shell

AUTO

RESET

X, Z軸を手動で原点復帰して下さい。

1	原点復帰	完了
2	タレット操作	
3	軸選択	
4	JOG操作	
5	主軸回転	
6	バイト合わせモード	
7	工具接触	
8	切削	
9	工具逃げ	
10	主軸停止	
11	ワーク寸法測定	
12	補正番号選択	

Absolute

X	0.000	0%
Z	0.000	0%
C	0.000	0%
F	0mm/min	

Axis Origin

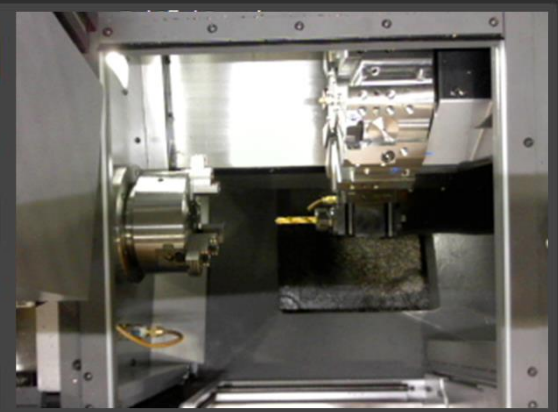
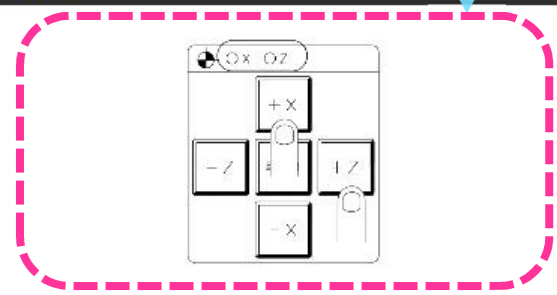
Turret Number T200

Axis X Z

Spindle S 0min-1 0%

Offset No 0 CurrentNo

OK



# 5. Monitoring (Optional)

Monitoring Machine status in net work and Performing systematic Setting-up, Tool change preparation

Display in list of **running status** of each machine

**Green : Running**

**Red : Alarm**

**Yellow : Warning**

**Pink : EMG Stop**

Preparation in advance becomes possible by displaying estimated finish time for tools & workpieces

ライン上の機械

XW-30PLUS	33123/999999	11/01 8:33:50
XL-100	32/77777	9/10 21:35:22
XG-4	1466/99999	9/12 2:27:42
XW-200	32/77777	9/10 21:35:22
XC-100	1466/99999	9/12 2:27:42

Parts Counter

Finish Time

Home Screen

