

**LYNDEX**  
**NIKKEN**



# MODULAR CNC MACHINE TENDING PLATFORM

For High Mix / Low Volume Production

[www.lyndexnikken.com](http://www.lyndexnikken.com)





# RIGIDITY AND FLEXIBILITY

Engineered to handle a wide range of part sizes and weight

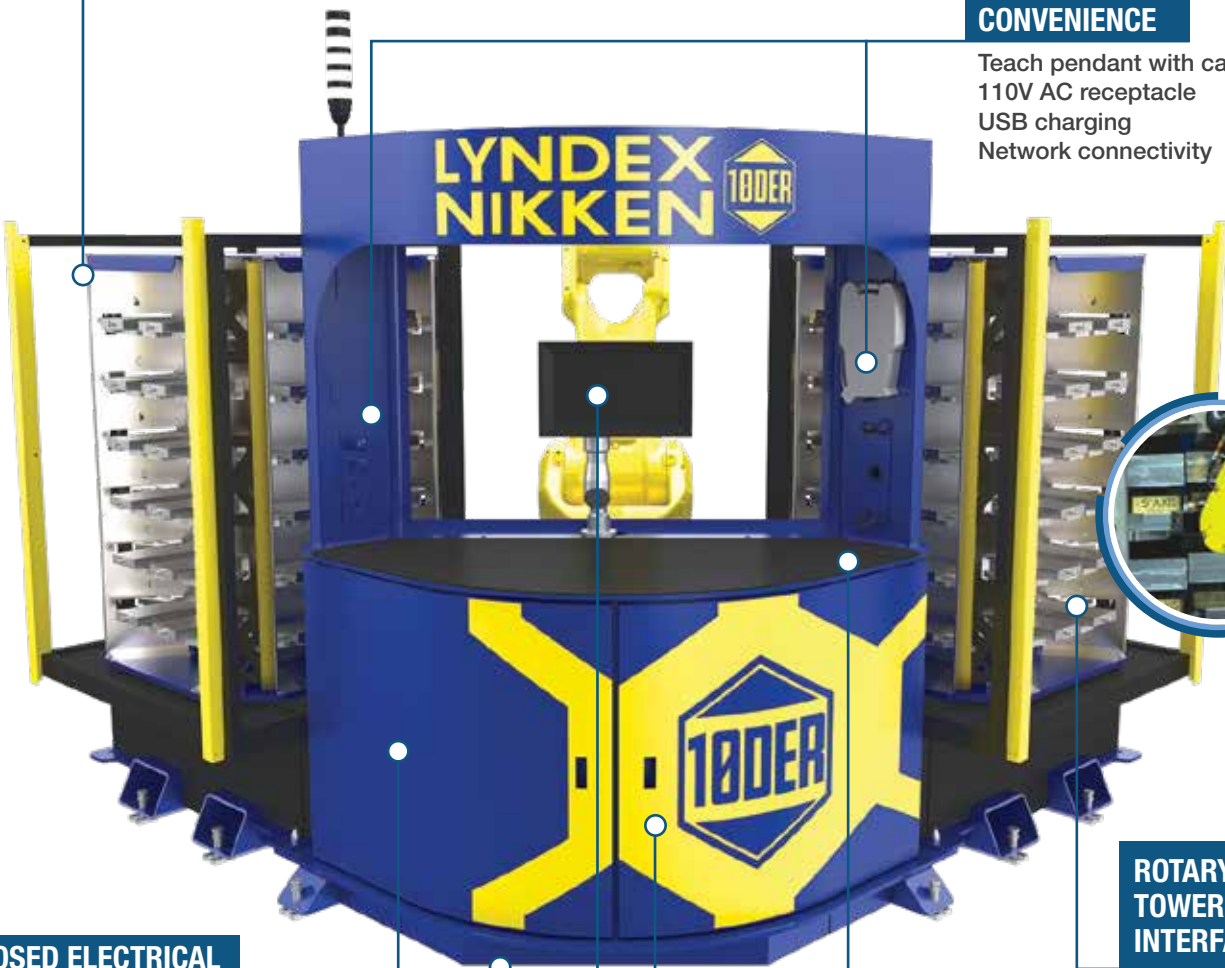
Work holding pallets can accommodate parts ranging in diameter from .625" to 7" with a maximum length of 8". The ability to hold up to 44 lb parts makes the 10der an ideal solution for job shops.

## MULTIPLE MODULAR OPTIONS

Configure shelves to pallet/workpieces  
High density peg and socket boards mounted to faces  
Removal of shelves to accommodate larger envelope

## CONVENIENCE

Teach pendant with cable hanger  
110V AC receptacle  
USB charging  
Network connectivity



## ROTARY PARTS TOWER PROGRAM INTERFACE

## ENCLOSED ELECTRICAL

Robot controller  
Low voltage  
High voltage

## MOBILITY

Forklift pockets built into the base

## COMFORT

Ergonomically correct work area  
LED lit work surface with rubber top

## HMI TOUCHSCREEN

Multi-touch projected capacitive 15.6" HD TFT HMI  
Step by step robot programming guidance  
Visual machine diagnostics

## ACCESSIBILITY

Magnetic access door catch  
Easily access pneumatic LOTO (Lock Out/Tag Out) Valve

# PROGRAM INTERFACE



To create a program, begin by clicking on “man with recipe icon”

1



## HOME SCREEN

- Clean, concise GUI
- Access to all functions from top level

2



## BEEHIVE DESCRIPTION

- Create Program Name
- Define what the program will do

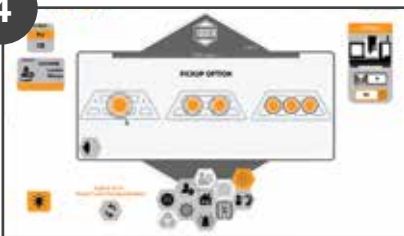
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## SELECT A SHELF OPTION

- 3 Positions
- 2 Positions
- 1 Position

4



## PICKUP OPTION

- Define a pickup configuration

5



## WEIGHT INPUT

- Define Raw Weight
- Define Finished Weight

6



## SELECT PLACEMENT CONFIGURATION

- Single Position Neutral
- Two Position Neutral
- +/-45 Single Position Neutral

## FACE AND SHELF SELECTION

- Select faces
- Select shelves
- Activate all selections

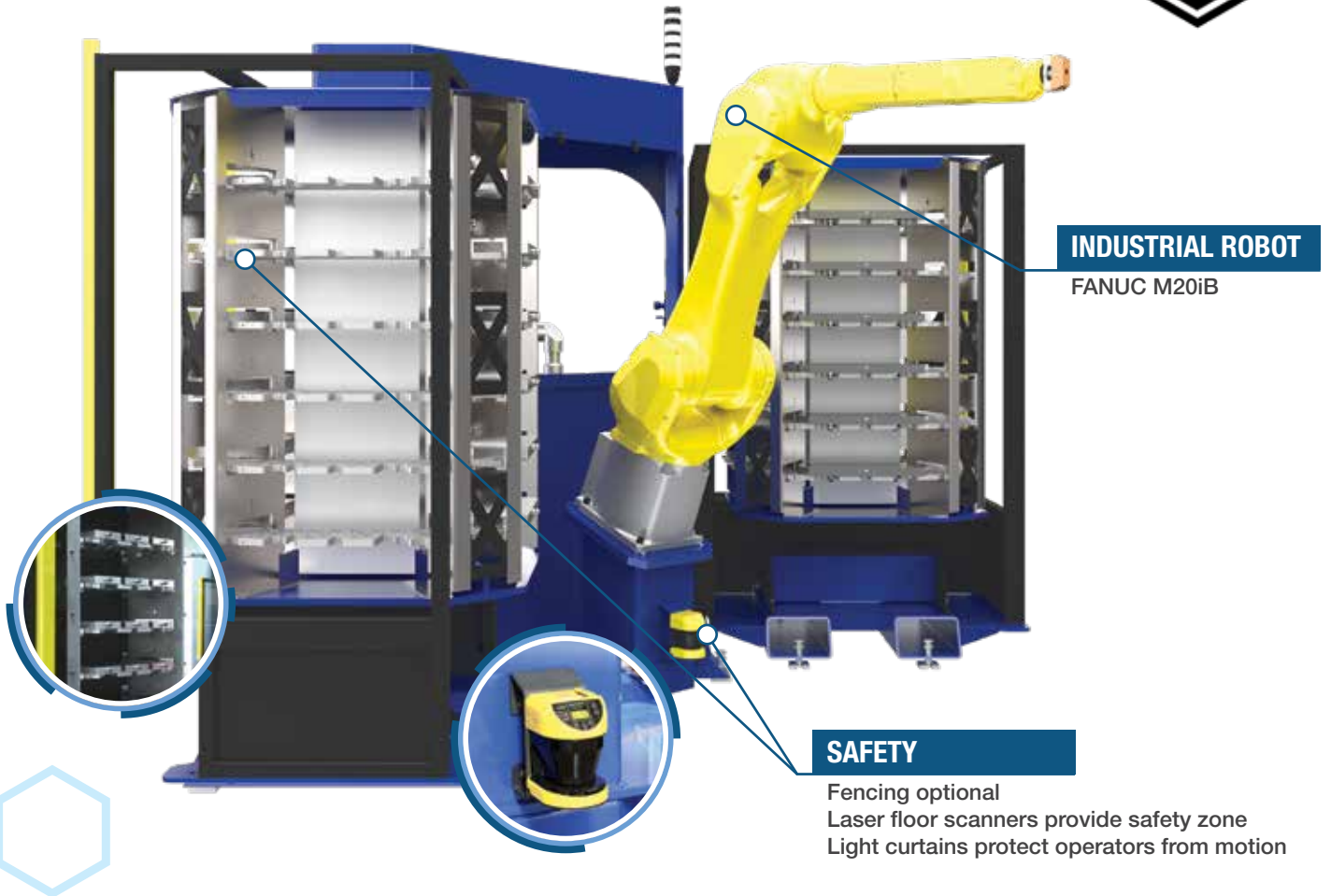
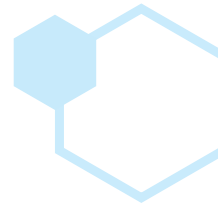




# THE MACHINE

## Designed for Safety and Productivity

The 10der system uses mechanical design elements to provide protection from interaction with mechanical movement to offer the optimum level of operator safety. Optional state-of-the-art laser scanners are available.



**INDUSTRIAL ROBOT**  
FANUC M20iB

**SAFETY**  
Fencing optional  
Laser floor scanners provide safety zone  
Light curtains protect operators from motion

### FEATURES AND BENEFITS

- Increases your production output, machine efficiency and profits
- Your qualified operators are better utilized
- You do not need robot specialists
- Increases flexibility as it can be used with several of your CNC machines

## Modular CNC Machine Tending Platform For High Mix / Low Volume Production

PRODUCT SPECIFICATIONS	CAPACITY		
	5.250x6x6	5.250x6x9	5.250x9x20
Max. pallet envelope	5.250x6x6	5.250x6x9	5.250x9x20
Max. pallet weight	37#’s	37#’s	33#’s
Max. number of pallets	72	48	24
Number of tower faces	4	–	–
Number of tower shelf faces	6	–	–
Max. tower rotational weight	4000#’s	–	–