

**MANITOU**  
GROUP

**Kleos/Stacky Novice  
Presentation**

Industry - 12/2019



**TOYOTA**  
www.toyota.com

1 Kleos/Stacky

2 Zoom: Kleos

3 Zoom: Stacky



Kleos/Stacky

Zoom : Kleos

Zoom : Stacky

Glossary

# / Kleos/Stacky



# Kleos/Stacky

## STACKER

Pedestrian

Standard

Manual- Semi electrical

Electrical 24V

### KLEOS

DHM

HM

EB

### STACKY

STACKY 10

STACKY 14

DHM 250

HM 250

HM 500

HM 1000

EB 250

EB 500

EB 1000





## 1.2 Kleos/Stacky - Applications



Available in manual, semi-manual or electrical, **Kleos** and **Stacky** stackers are used for many applications as elevation and stacking of loads or storage at height.

Compact and ergonomic, it is able to lift a weight of **250 kg to 1.4 tons** by pallets with forks, with a hook and many others tools.

Kleos/Stacky

Zoom : Kleos

Zoom : Stacky

Glossary

2

## Zoom: Kleos

### STACKER

Pedestrian

Standard

Manual- Semi electrical

#### KLEOS

DHM

HM

EB

DHM 250

HM 250

HM 500

HM 1000

EB 250

EB 500

EB 1000



Electrical 24V

#### STACKY

STACKY 10

STACKY 14



## 2.1 Kleos - Range introduction



- **Kleos DHM:**
  - 250 D15
- **Kleos HM:**
  - 250 D18 or D25
  - 500 D18 or D25
  - 1000 S16
- **Kleos EB:**
  - 250 D18 or D25
  - 500 D18 or D25
  - 1000 S16

Capacity

S: Simplex mast  
D: Duplex mast

Mast height



### Stackers with manual or electric elevation

- 6 interchangeable tools
- Light handling



- Better working place ergonom
- Integrated battery charger (Battery autonomy: 2h of working time) for EB models

## Kleos - Product range

### DHM

- Lifting capacity: 250kg
- Manual traction
- Manual lifting



### HM

- Lifting capacity: 250, 500, 1000kg
- Manual traction
- Manual lifting



### EB

- Lifting capacity: 250, 500, 1000kg
- Manual traction
- Electric lifting
- Battery: 1.2kW - 12V

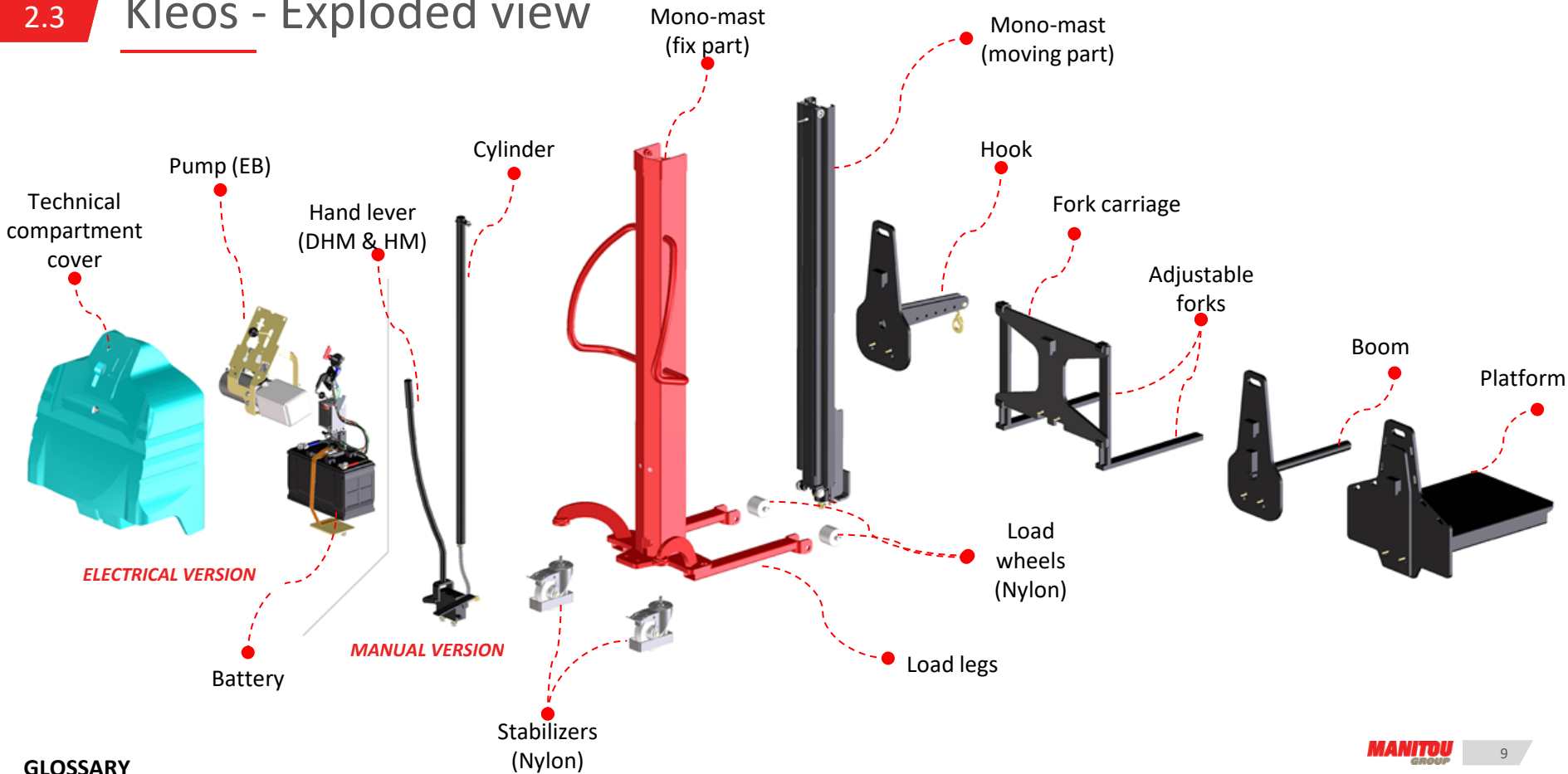


**Proportional lift option for EB model (adjustable speed to the mast lifting)  
For the rest of the range: standard progressive lift**



2.3

# Kleos - Exploded view



## Kleos - Tools

Different tools are available to be able to do as much as possible applications, you can find the list on the next slide



Platforms

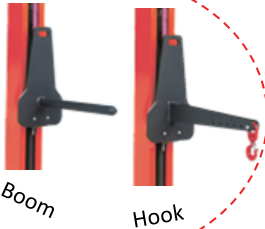


Drum handler

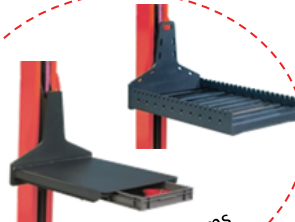


Hook

Tools	Machines						
	DHM 250	HM 250	HM 500	HM 1000	EB 250	EB 500	EB 1000
<b>FA: Adjustable forks</b>	X	X	X	X	X	X	X
<b>FR: Wrapover forks</b>			X	X		X	X
<b>POT: Jib with hook</b>	X	X	X	X	X	X	X
<b>EPE: Boom</b>	X	X	X	X	X	X	X
<b>PLF: Fixed platform with drawer</b>	X	X	X	X	X	X	X
<b>FUT: Drum handler</b>			X	X		X	X



Hook



Wrapover forks

## Kleos - Options

- Straddle legs (3 x dimensions b2 : 850mm / 1050mm / 1250mm)



Used for non palletized load (ex: barrel, bag, ...) or closed pallet



- Progressive levered hydraulic control valve



More flexibility and precision in the movements handling (only for EB model)

- Gel battery & HF integrated charger for EB model



Low maintenance battery and charging



# 3



Kleos/Stacky

Zoom : Kleos

**Zoom : Stacky**

Glossary

## Zoom: Stacky

<b>STACKER</b>						
Pedestrian						
Standard						
Manual- Semi electrical				Electrical 24V		
<b>KLEOS</b>						
DHM		HM		EB		
DHM 250	HM 250	HM 500	HM 1000	EB 250	EB 500	EB 1000
						
<b>STACKY</b>						
STACKY 10			STACKY 14			
						





## 3.1 Stacky - Range introduction



- Stacky 10 S16
- Stacky 10 D28
- Stacky 10 S16 LE
- Stacky 10 D28 LE
- Stacky 14

Capacity

S: Simplex mast  
D: Duplex mast

LE: Straddle legs  
Mast height



### Electric stacker

- Turtle control
- Curtis regulator
- Horameter



- Easy to use
- Better ergonomcy at the workplace
- Low maintenance
- Precise handling
- Security and resistance

## Stacky - Product range

### Stacky 10

- Pedestrian
- 4,5km/h
- Battery 85Ah
- Internal 220V charger
- 2,8m max lift height



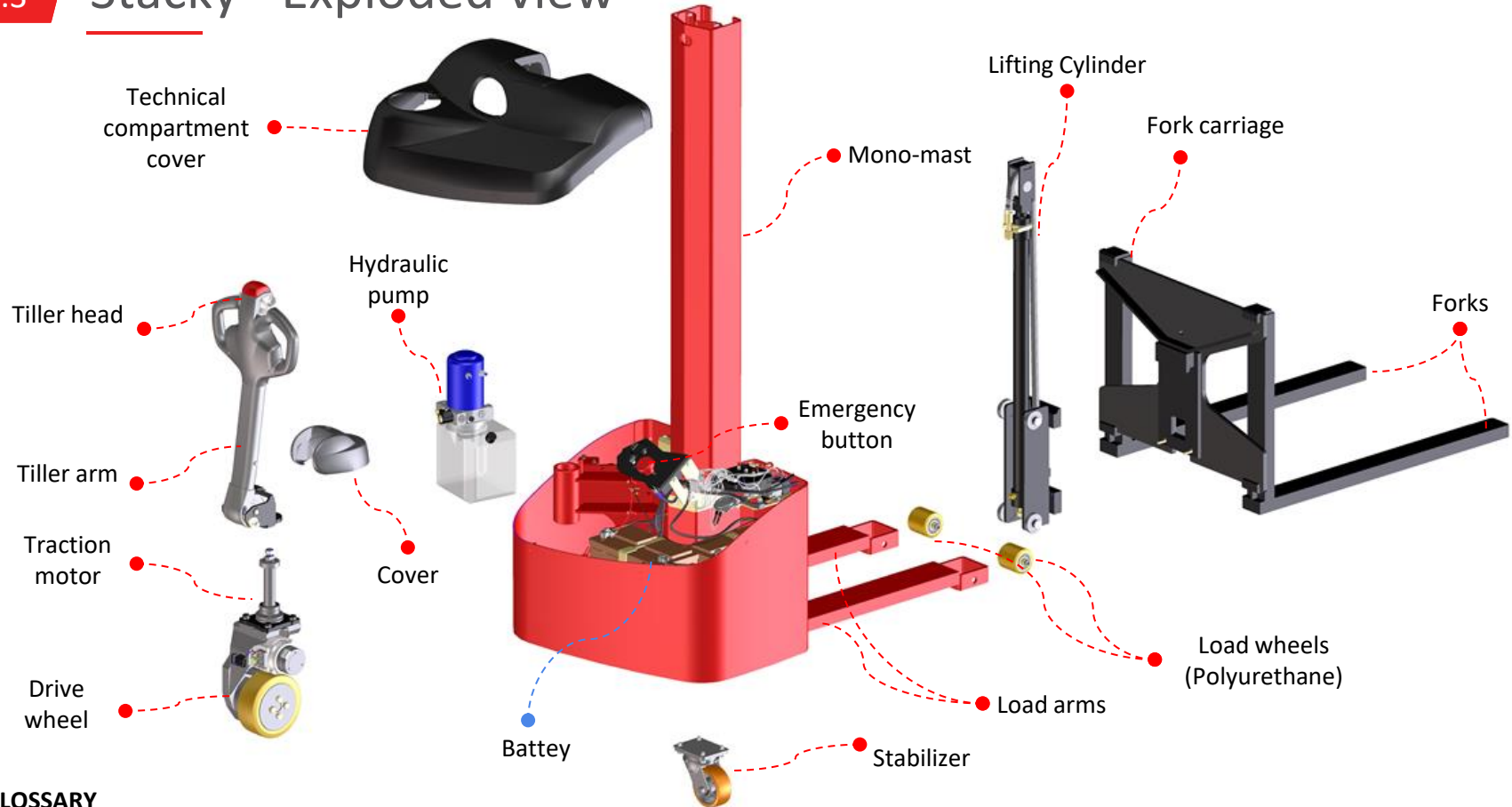
### Stacky 14

- Pedestrian
- 4,5km/h
- Battery 85Ah
- Internal 220V charger
- 900mm max lift height



### 3.3

## Stacky - Exploded view



## Tiller arm



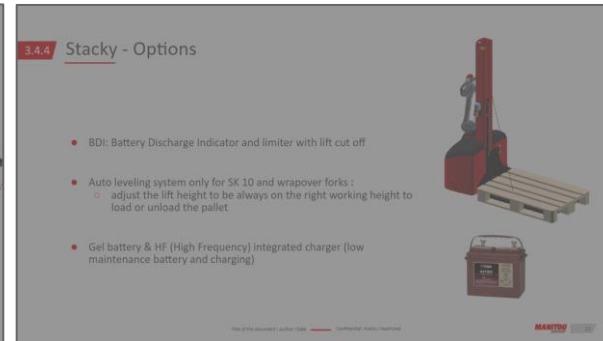
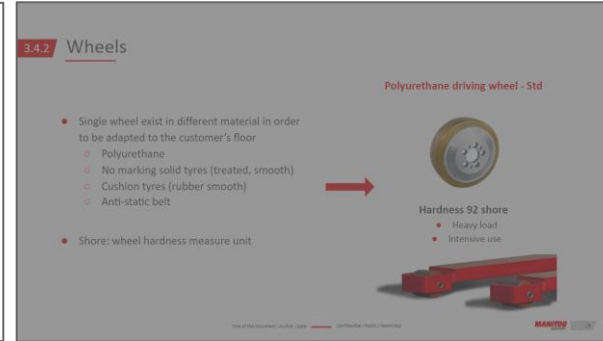
**3.4.3 Stacky - Tools**

Tools	Machines		
	Stacky 10	Stacky 10 LE	Stacky 14*
FA: Adjustable forks	X	X	
FR: Wrapover forks	X		X
POT: Jib with hook	X	X	
EPE: Boom	X	X	
PLF: Fixed platform with drawer	X	X	
FUT: Drum handler	X	X	

\*Stacky 14: forks 1150x566 mm

## Tools

## Wheels



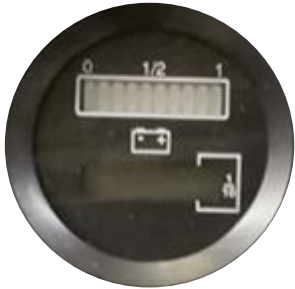
## Options

# 3.4.1 Tiller arm



Turtle button

Indicator



BDI : Battery Discharge Indicator





## 3.4.1 Tiller arm

- **Turtle Button**

- Reduces temporarily the speed of the machine to 3km/h
- Allows driving the pallet truck with the tiller arm in vertical position
- Creep speed



- Useful when the driver moves in a storage with many people
- Essential function for handling fragile goods
- Convenient in confined spaces (e.g. : in a lorry)

- **Ergonomic tiller arm**

- Centered: better in the axis, better driving position
- On the side: cheaper, directly on the drive head, attached to the engine

- **Belly Switch**

- This red button guaranties a safer use of the machine
- Avoids being caught between the machine and an obstacle

## Tiller arm



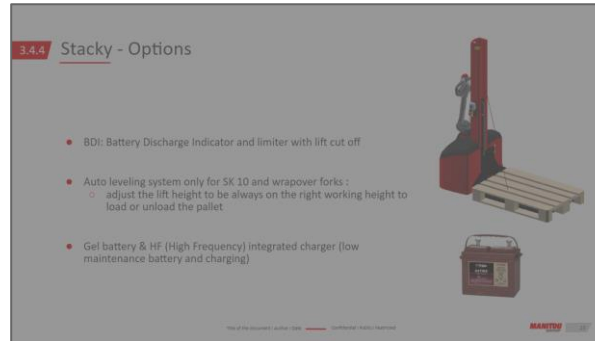
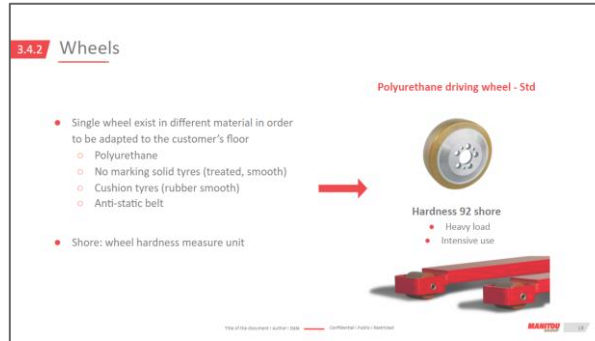
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\*Stacky 14: forks 1150x566 mm

## Tools

## Wheels



## Options

- Single wheel exist in different material in order to be adapted to the customer's floor
  - Polyurethane
  - No marking solid tyres (treated, smooth)
  - Cushion tyres (rubber smooth)
  - Anti-static belt
  
- Shore: wheel hardness measure unit



## Polyurethane driving wheel - Std



### Hardness 92 shore

- Heavy load
- Intensive use

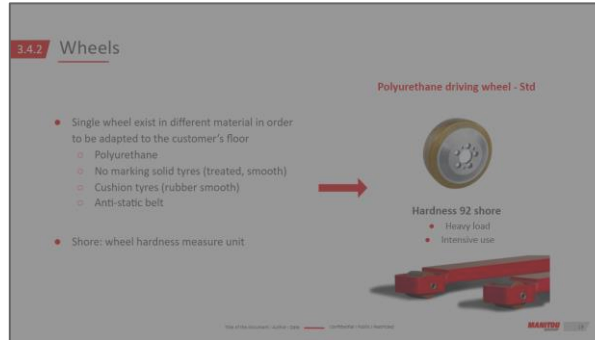


# Machine features

## Tiller arm



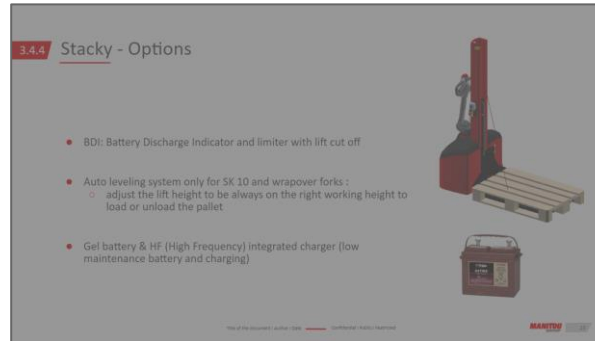
## Wheels



3.4.3 Stacky - Tools

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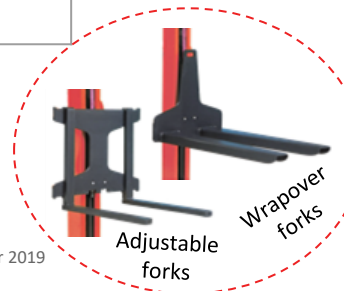
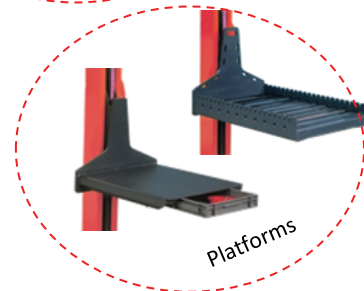
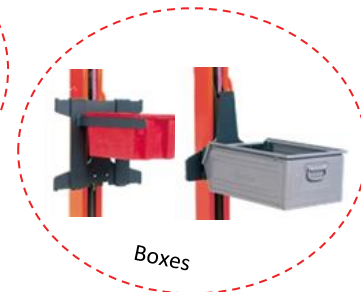
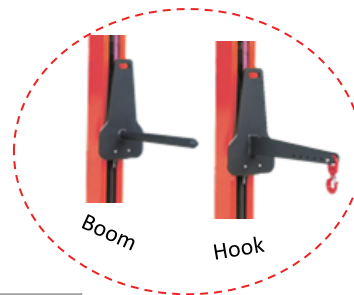


## Tools

## Options

### 3.4.3

## Stacky - Tools



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	Stacky 10	Stacky 10 LE	Stacky 14*
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\*Stacky 14: forks 1150x566 mm



# Machine features

## Tiller arm



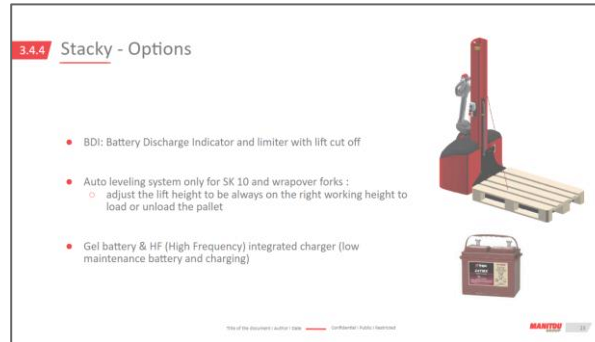
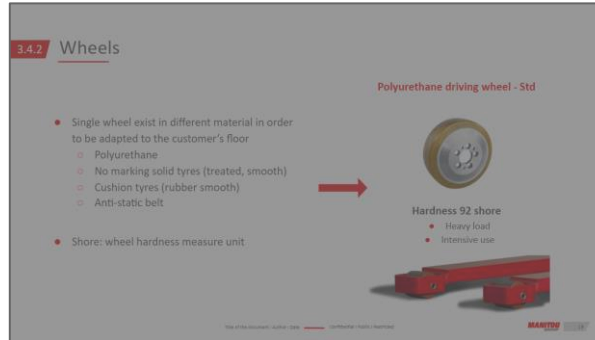
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POT: jib with hook	X	X	
EPE: Boom	X	X	
PLF: Fixed platform with drawer	X	X	
FUT: Drum handler	X	X	

\*Stacky 14: forks 1150x566 mm

## Tools

## Wheels



## Options

## Stacky - Options

- BDI: Battery Discharge Indicator and limiter with lift cut off 

- Auto leveling system only for SK 10 and wrapover forks :

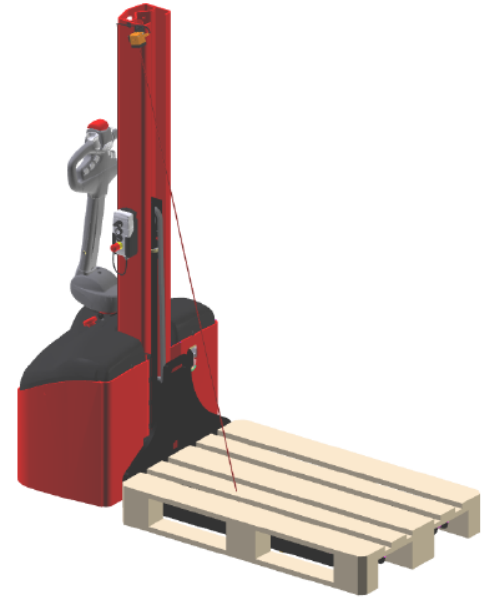


**Adjust the lift height to be always on the right working height to load or unload the pallet**

- Gel battery & HF (High Frequency) integrated charger



**Low maintenance battery and charging**



## 4 General glossary

- AC: Alternating Current
- BDI: Battery Discharge Indicator
- CACES: Certificat d’Aptitude à la Conduite En Sécurité
- CoG: Center of Gravity
- DC: Direct Current
- DL: Double Lift
- EL: Ergonomic Lift
- FLD: Free Lift Duplex
- FLQ: Free Lift Quadruplex
- FLT: Free Lift Triplex
- FR : Wrapover Forks (Fourches Recouvrantes)
- FVD: Full Visibility Duplex
- FVT: Full Visibility Triplex
- GPF: Counterbalanced stacker (Gerbeur porte-à-faux)
- HD: Heavy Duty
- HL: High Lift
- HF: High Frequency
- LI: Initial Lift (Levée Initiale)
- LE: Straddle Legs (Longerons Encadrants)
- PPS: Pneus Plein Souple
- PU: Polyurethane
- SL: Lateral Battery Exchange (Sortie Latérale)
- VNA: Very Narrow Aisle

