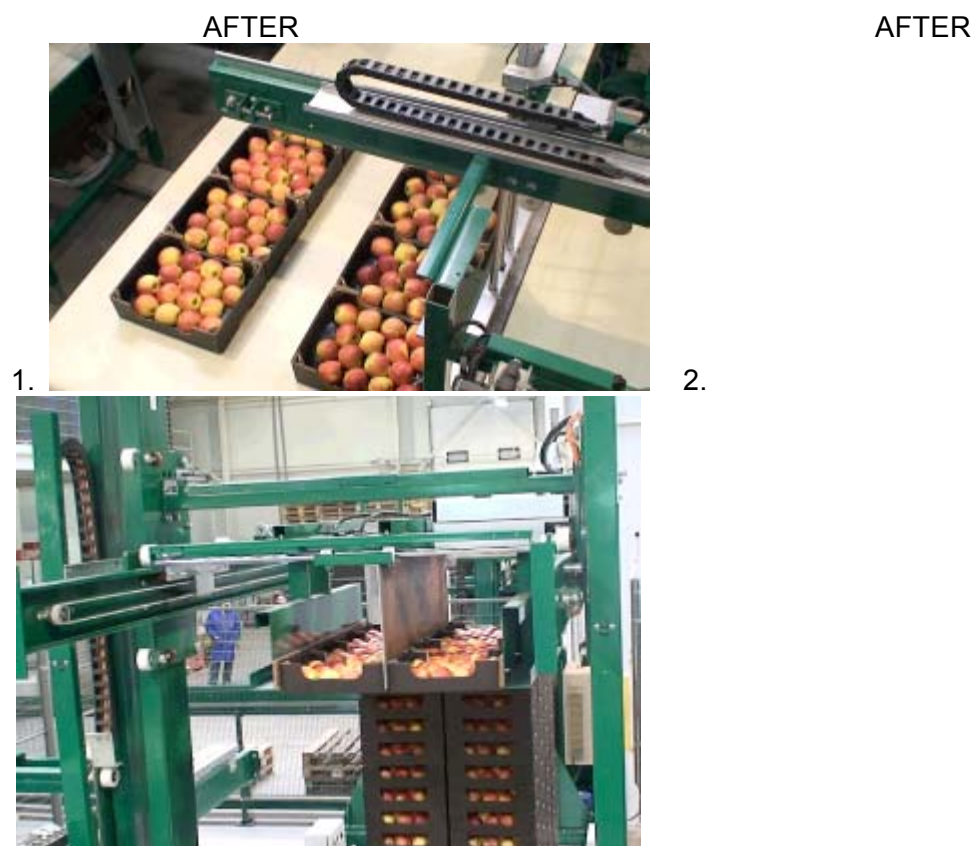


“Elimination manual man’s work” (Transporting the cartoon boxes with fruits and laying them down on a pallet)

Task Description: PL_5d (PL–Poland, 5 – Sorting)

- Man’s work involve monotony and repetitive tasks
- Task connected with repetitive tasks – lifting, carrying a box with fruit and laying down on a pallet to compose a tower of boxes to a transport
- Lifting boxes weighted around 20 kilos creates a MSD risk for a worker

Pictures:



Automatyczne kompletowanie i układanie na palecie

Comments of the employee:

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Continuously repetition of the same gestures |
| <input checked="" type="checkbox"/> | Work height not in accordance with work posture |
| <input checked="" type="checkbox"/> | No comfortable standing posture |
| <input checked="" type="checkbox"/> | No helping devices available |
| <input checked="" type="checkbox"/> | Loads too heavy, carrying distance too far, too low, ... |

Comments of the employer: motivation regarding solution:

Well organise work with an elimination of man’s work. Man only supervises a machine work. It is fully automatic system to transport and compose a tower of cartoon boxes on a pallet to prepare fruits for a transport to a cold storage or a shop.

MSD risks:

- | | |
|---|--------------------|
| X | Posture |
| X | Force |
| X | Frequency/duration |

Exposed areas:

- | | |
|---|---------------|
| X | Neck/shoulder |
| X | Arm/wrist |
| X | Lower back |
| X | Lower limbs |

Solutions:

Add a full automatic transport system to transport and compose a tower of cartoon boxes on a pallet to prepare fruits for a transport to a cold storage or a shop. This mechanical solution eliminates a man's work and improves a productivity of a sorting.

Comments after implementing good practice solution:

- Performing this kind of task involves high load especially in lower back and shoulders, due to lifting, carrying and moving the cartoons with fruits
- In order to decrease lower back load you need to organise work by adding a full automatic transport and packing system
- Using a automatic system allows you to eliminate man's work and improve productivity