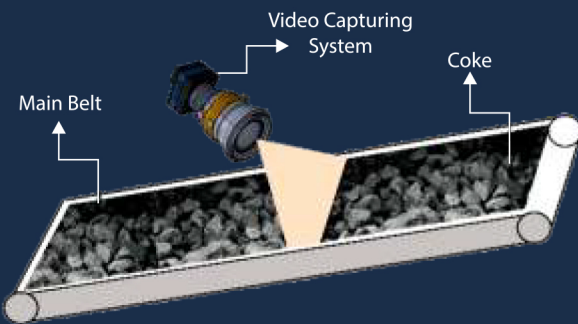
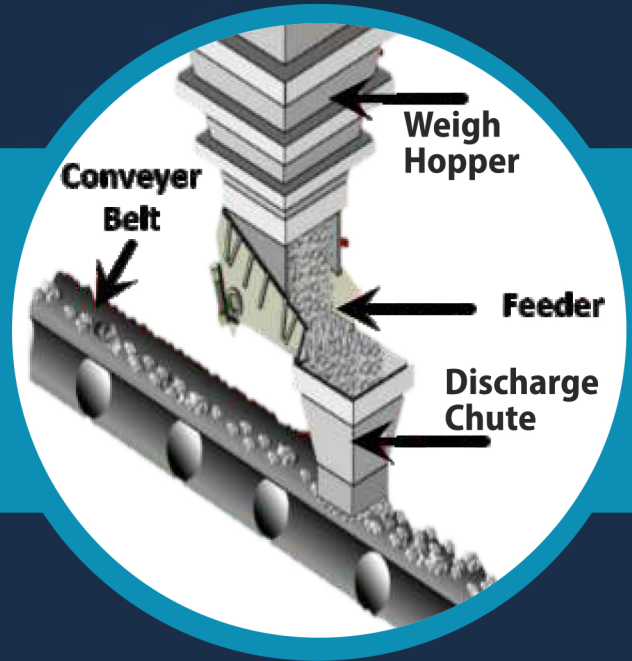


# Online Raw Material Granulometry

## WHY IS IT REQUIRED?

- ✓ Size deviation directly affects total gas permeability, reducibility, and fuel requirements of a Blast Furnace
- ✓ Online raw material size distribution (Sinter, Pellet, Coke) is required to enable right decision making to improve:
  - Screening of the raw material
  - Burden distribution



## HOW IT WORKS?

- ✓ Real time videography/photography via industrial grade vision system to tackle dusty environment
- ✓ Image processing-based methodology aided by deep learning for raw material size distribution
- ✓ The system measures the size distribution on a conveyor/ discharge feeder

## WHAT IT DELIVERS?

- ✓ Online measurement system provides complete size distribution on the raw materials.
- ✓ Distribution analysis model developed with an accuracy of > 95%
- ✓ Real time and accurate feedback for online process control

