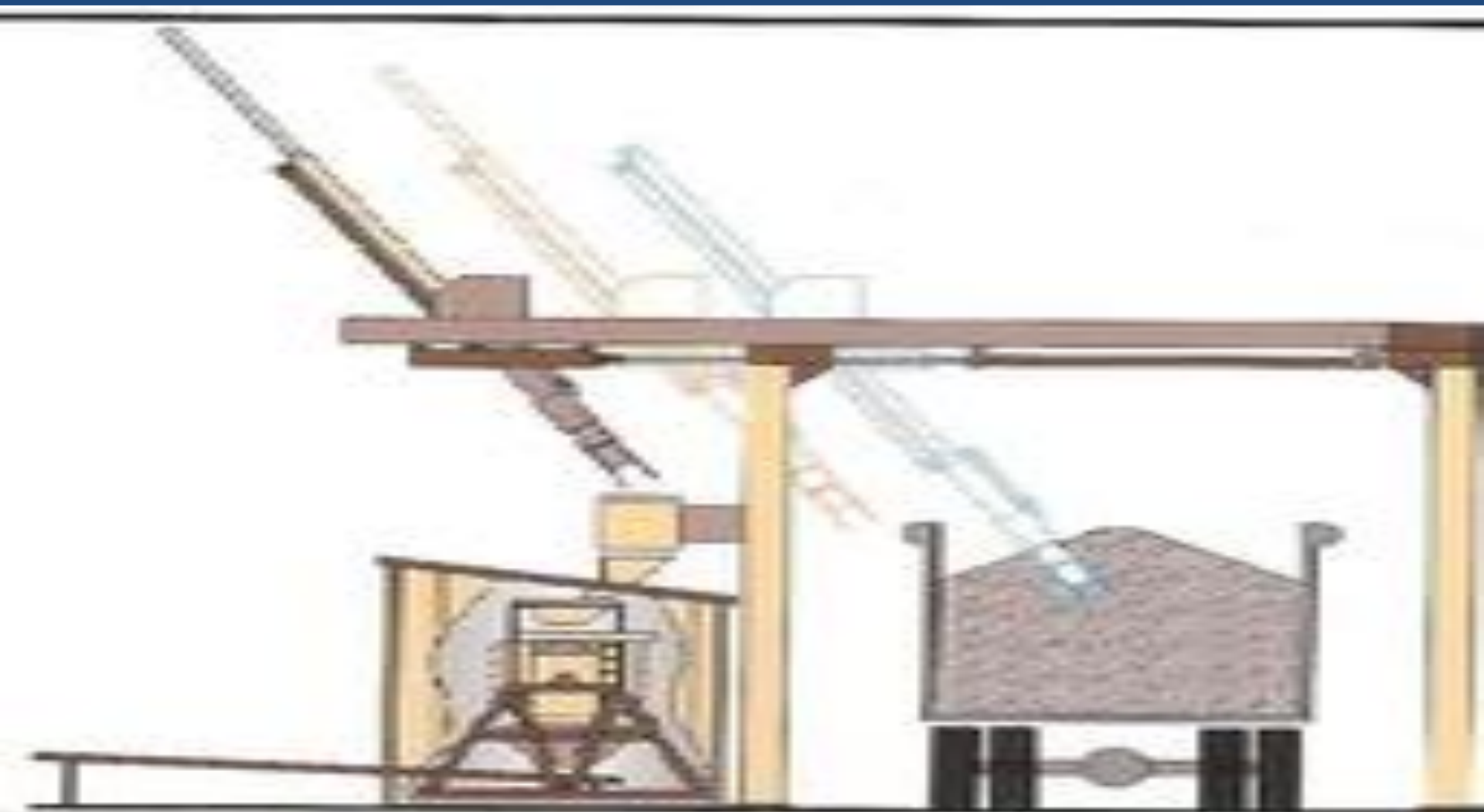




# AUTOMATIC QUALITY CONTROL SYSTEM ASPHALT PLANT



# AUTOMATIC QUALITY CONTROL



## AUTOMATIC GRADATION UNIT

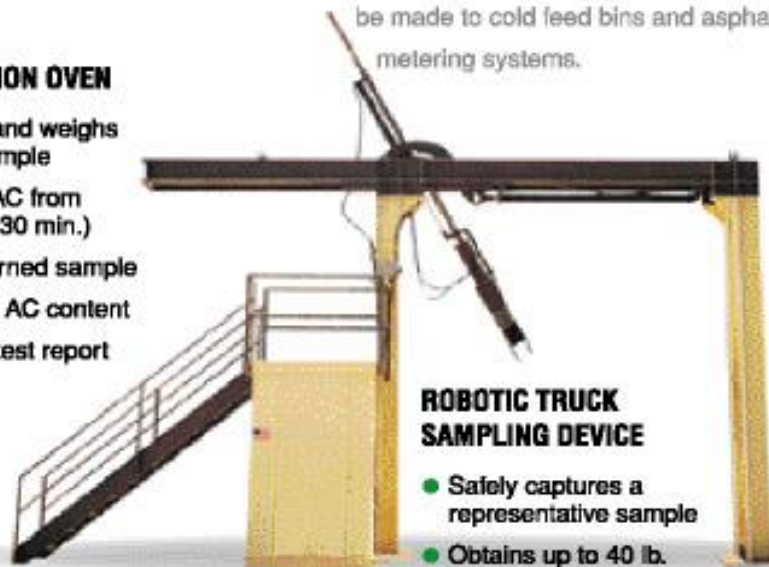
- Grades up to 100 lbs. in 10 mins.
- Computerized sieve analysis
- Automatic Self-Cleaning Cycle
- Frequencies vary with sieve size
- Generates gradation report



## FIELD IGNITION OVEN

- Receives and weighs asphalt sample
- Burns off AC from sample (< 30 min.)
- Weighs burned sample
- Calculates AC content
- Produces test report

PTI introduces the first Automatic Quality Control (AQC) System for Asphalt Plants. This system allows a contractor to safely capture a representative asphalt sample from a haul vehicle utilizing the Robotic Truck Sampling Device (RTSD). The RTSD deposits the sample into the Field Ignition Oven which burns the sample and calculates the asphalt content. The burned sample is then deposited into the Automatic Gradation Unit (AGU). The AGU shakes the sample and produces a gradation with a test report. These test results go to the control house where adjustments can be made to cold feed bins and asphalt metering systems.



## ROBOTIC TRUCK SAMPLING DEVICE

- Safely captures a representative sample
- Obtains up to 40 lb. sample in one plunge
- Helps contractors make adjustments
- Enhances process control



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