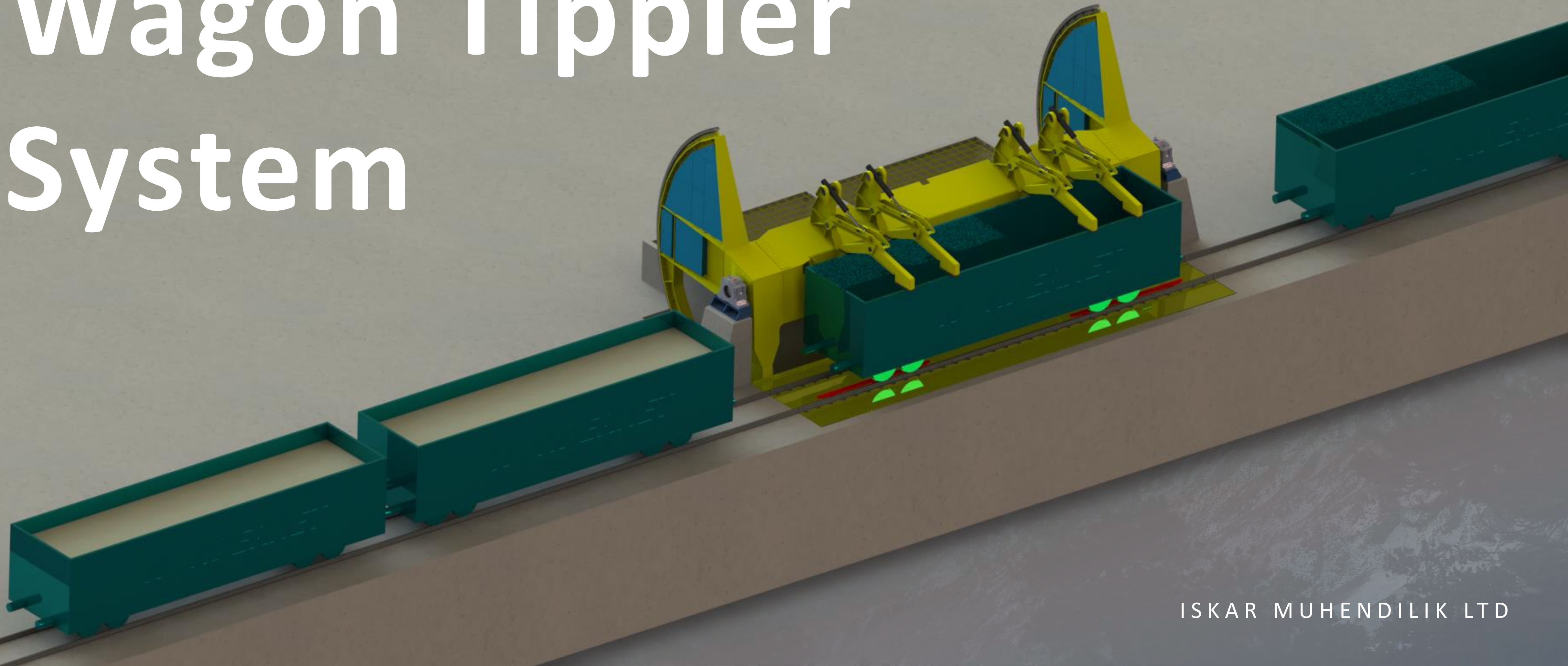


Wagon Tippler System





Wagon Tippler

Rotary Tippler / Railcar Dumper

APPLICATION AREAS



Railway-connected, bulk exporting ports, thermal power plants, silos, bulk terminal and similar facilities

CAPACITY



Including wagon weight; 110 gross ton lifting capacity, 14 m wagon length, 10-15 wagon per hour unloading speed, 160 ° tipping angle

MATERIAL



Bulk cargo with flow characteristics such as coal, ore, sulfur, phosphate, salt, soda, minerals, wood chips, grains and similar

SYSTEM INTEGRATION



Plant integration, weighing/tare indexing system, dust prevention and dust extraction system, closed circuit camera control system etc.

BASIC NUMERICAL VALUES

WAGON TIPPLER DESIGN



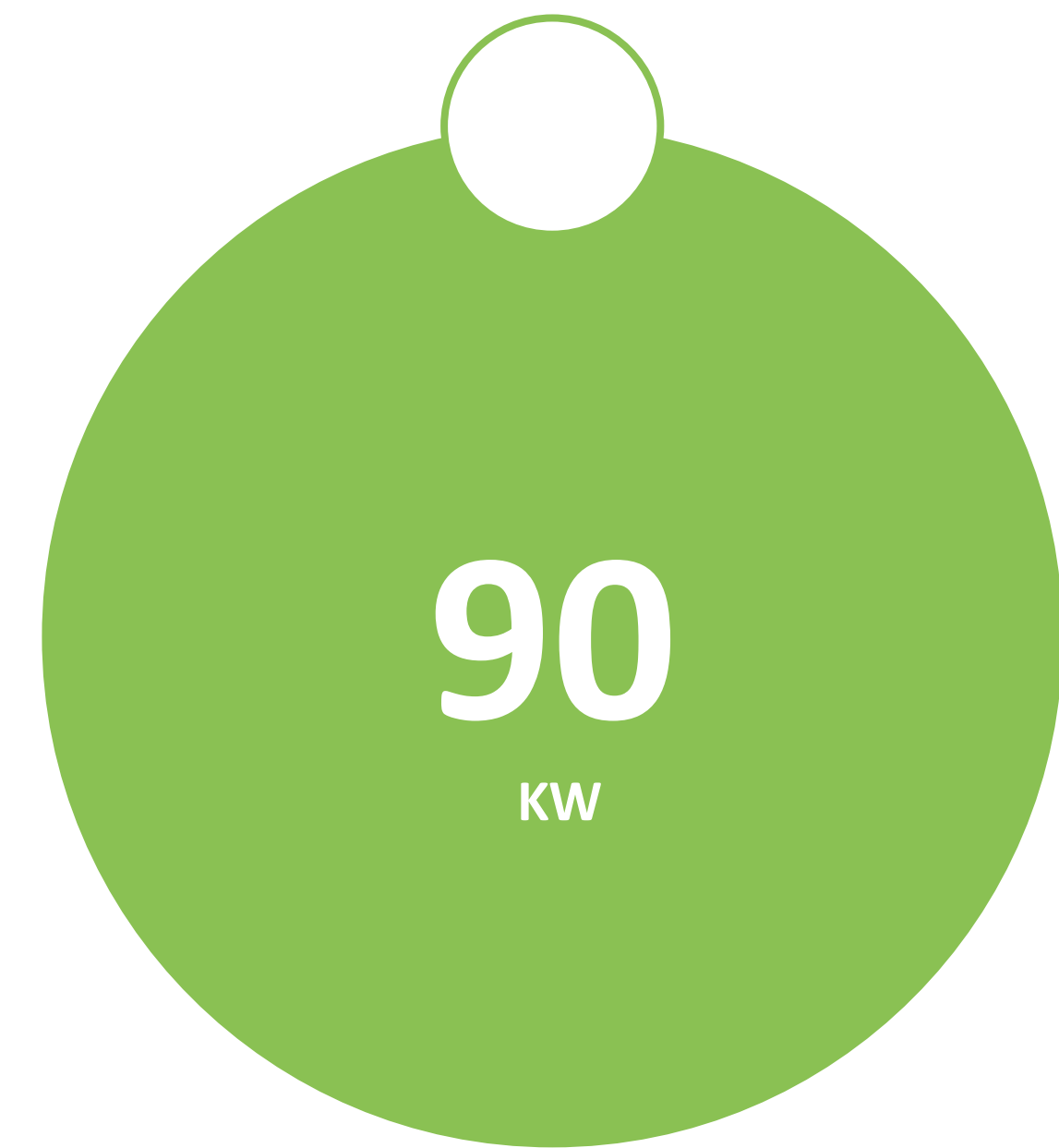
LIFTING CAPACITY

The wagon tippler system unloads the bulk load carried by a wagon into one bunker by rotating the wagon (110 tons) circa 160°



UNLOADING SPEED

1 wagon unloading sequence (rotate, wait, rotate back) takes 125 sec. Positioning the next wagon requires another 150 s.



POWER

Hydraulic tippler system and hydraulic top clamps are all hydraulic driven actions, powered from a single hydraulic power unit (HPU) source.

VAGON TIPPLING PROCESS

Diesel locomotive, single lane and single tippler

MANEUVERING

Machinist and field officers align the wagon on to the tippler and then separate it from the rest of the train.

150 sec.

PAUSE

Holding the wagon at the maximum tilting angle.
If necessary, vibration is applied to achieve total discharge

10 sec.

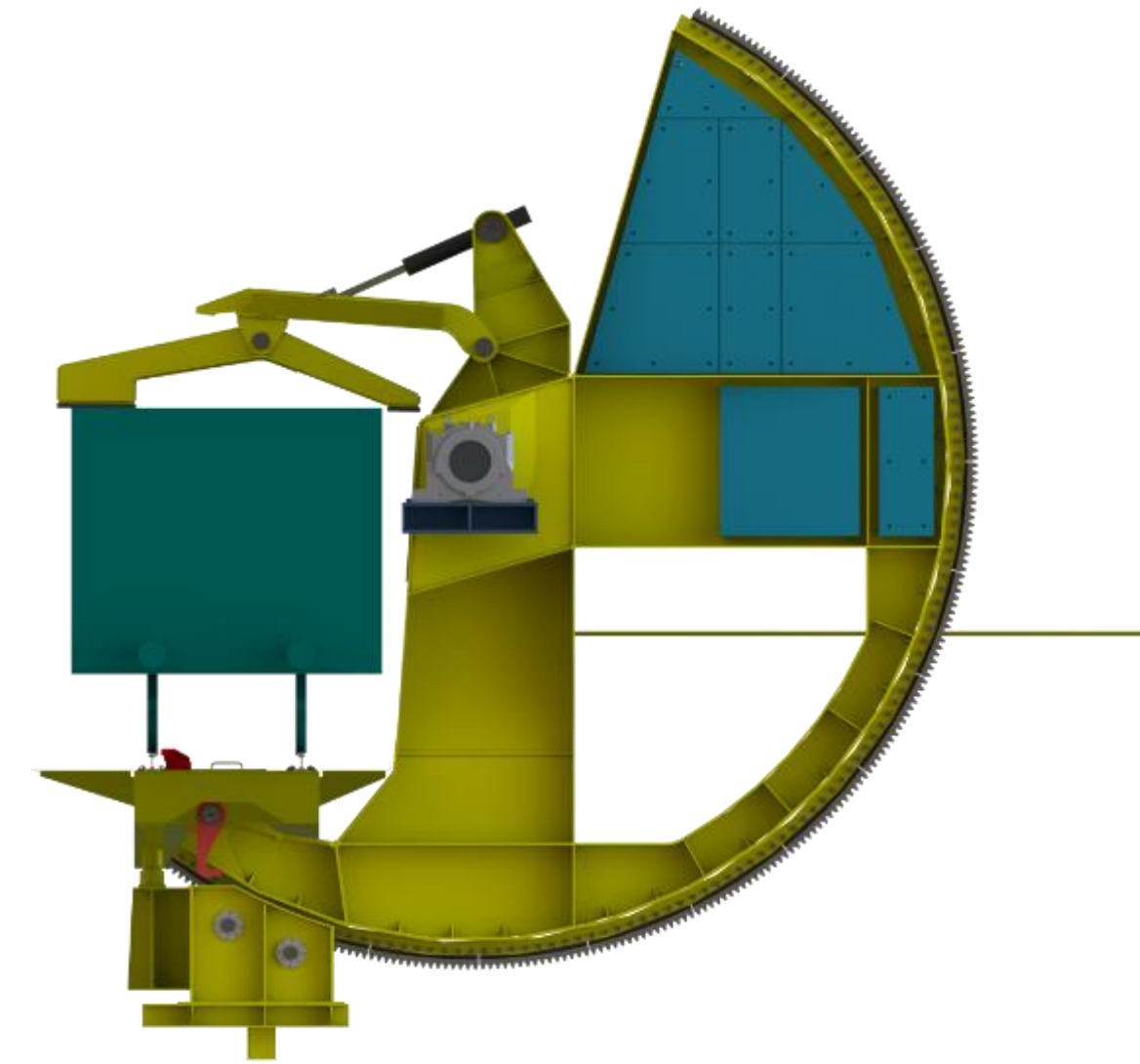
57 sec.

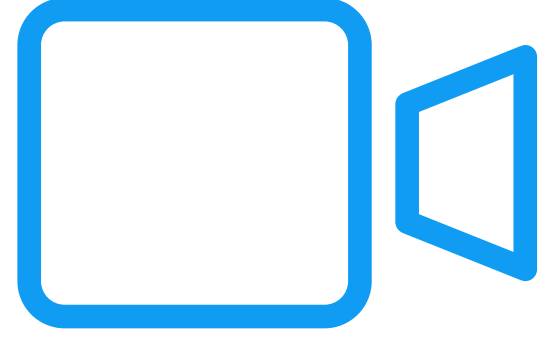
TIPPLING

The wagon to be emptied gets clamped with hydraulic arms and simultaneously gets turned by 160 degrees.

TIPPLING BACK

Empty wagon is rotated back to the rail level. Top clamping hydraulic arms are lifted up at the end of the sequence.





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You can find more information about the wagon tipping system and about our other material handling machinery on our website www.iskarltd.com.

You are welcome to send your enquiries about your projects to iskarltd@iskarltd.com.

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