



PROTRAN
TECHNOLOGY

A Harsco Rail Company

Absolute Geometry Software:
Direct import from surveying system
to Harsco Tamper



Benefits:

- Eliminates manual data entry
- Improves data accuracy
- Automate tamping to absolute track position



ABSOLUTE GEOMETRY SOFTWARE

ABSOLUTE TRACK GEOMETRY MEASUREMENT AND INTEGRATION SYSTEM

System Features

- Enables tamper operation in combination with pre-measurement system
- Absolute Geometry Software pre-plans each required tamping pass
 - Based on pre-measurement
 - Plan sets up critical final pass
- Zero Buggy Kit brings the projector buggy close to the tamper
 - Allows for accurate absolute track geometry adjustments
- Constrains (fixed points) and ramping also managed by Absolute Geometry Software
- Reduction in up to 50% of the time required to complete the project compared to the traditional surfacing methods

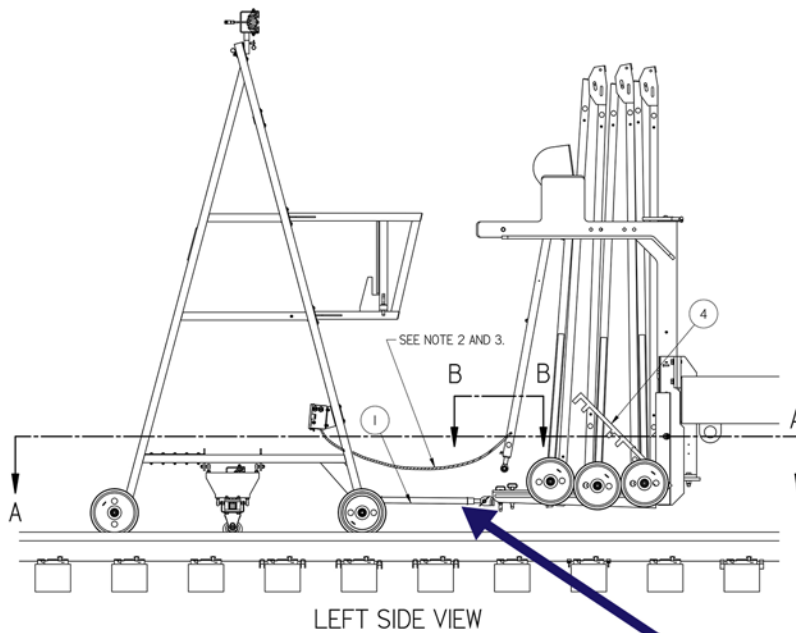
Currently available for all Jupiter Mark Series Tampers

ABSOLUTE GEOMETRY SOFTWARE

ABSOLUTE TRACK GEOMETRY MEASUREMENT AND INTEGRATION SYSTEM

Description

To meet the demanding requirements of building and maintaining absolute track position, Protran Technology has developed the Absolute Geometry Software system. When utilizing the Absolute Geometry Software system, the operator simply imports formatted geometry data. The software then instructs the tamper utilizing the closely mounted projector buggy (achieved via the Zero Buggy Kit) and the imported absolute geometry data to make needed track adjustments.



Projector buggy position change using the Zero Buggy Kit

