



ROLTA DTM COLLECTION

Rolta DTM Collection provides an interactive method for collecting and editing digital terrain model (DTM) data and breaklines in stereo models on a Stereo Workstation. Real-time visualization & editing allows the user to see what effect the edits have on the contours or TIN surface immediately.

Interactive vector graphics

Real time DTM collection and editing. Dynamic symbolization such as line and text fonts, annotation etc. Cursor snapping to ground during DTM input and editing.

Static and roaming modes

Static (fixed image, moving cursor) and roaming (moving image, fixed cursor) modes are available as standard features. It allows editing DTMs in mono and stereo mode.

Grid parameters presetting for DTM collection

Boundary (area of interests) drawing directly on stereo pair, entering of grid size and symbols.

Breakline and Contour lines drawing and editing

Online contouring. Inserting, deleting and displacement of vertices of breaklines and contours in mono and stereo mode. The editing options include - noise filtering, searching for intersections, automated and manual smoothing of contours.

DTM Visualization and Quality assessment

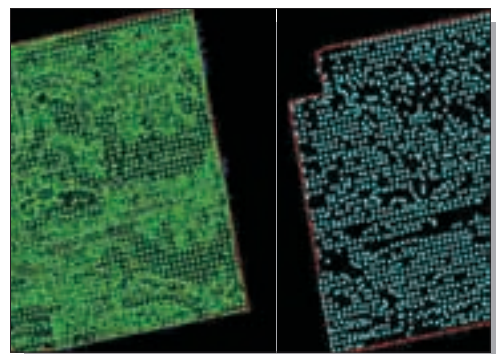
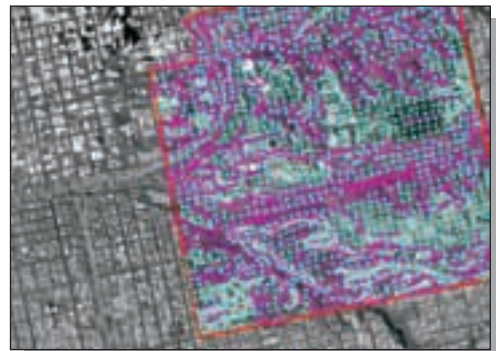
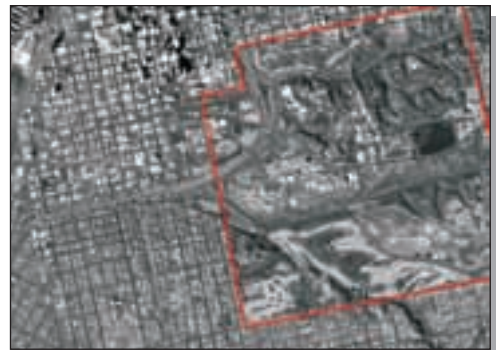
It provides a comprehensive set of efficient tools for quality assurance of DTM data, including data visualization, numeric plausibility checking, as well as interactive data editing and 3D measurement.

Formats and Data Support

Supports Image formats: Tiff, Jpg, Jpg2000, j2k, SID and ECW

Support Import/Export of DEM & Vector Formats: DTED, ASCII, Shape, DGN and DXF

Support of aerial frame images and of various types of satellite imagery for DTM generation.



Key Features

- Collect regular grids, break line, mass points and others geomorphic features
- Edit the data collected within or DTM data coming from other geomorphic features
- Ability to edit DTM points and have either the TIN surface or contours update in 3D in real time
- Real-time DTM and interactive draping
- Fast, real-time, interactive full vector graphics
- Z support from mouse thumbwheel or 3D mouse
- Handles aerial, satellite data
- Strong programming support with Function Keys and Macros

Benefits

- Visual detection for editing and trouble area analysis
- Dynamic editing to reduce edit times by providing instant feedback
- Reduced collection time by outlining and passing over obscure areas
- Terrain collection integrated into the stereo environment
- Fast keypad application support
- XY motion from system mouse or 10 button 3D mouse
- Powerful and easy to use collecting and editing tools to enhance the capabilities of Cad engine



Rolta India Limited

West

Central & Registered Office

Rolta Tower A,
Rolta Technology Park,
MIDC, Andheri (E),
Mumbai 400093.
Tel: +91 (22) 2926 6666
Fax: +91 (22) 2836 5992
Email: indsales@rolta.com

Corporate Office

21st Floor, Maker Tower F,
Cuffe Parade, Mumbai - 400 005.
Tel: +91 (22) 2215 3984
Fax: +91 (22) 2215 3994

Pune

101, Mantri House,
929, Fergusson College Road,
Pune - 411 004.
Tel : +91 (20) 2565 3772,
2567 8372

Vadodara

303 / 304 Concorde, 3rd Floor,
R. C. Dutt Road,
Alkapuri,
Vadodara - 390 005.
Tel : +91 (265) 235 2612,
232 2949

Gandhinagar

Plot No. 565 / 1, Sector 8 C,
Gandhinagar - 382 008.
Tel : +91 (79) 2324 1322

Bhopal

2nd Floor, Harrison House,
6 Malviya Nagar,
Raj Bhavan Road,
Bhopal - 462 003.

East

Kolkata

501, Lords, 7/1 Lord Sinha Road,
Kolkata - 700 071.
Tel : +91 (33) 2282 5756 /
7092

Bhubaneswar

47, Madhusudan Nagar,
Bhubaneswar - 751 001.
Tel : +91 (674) 239 0190

North

Delhi NCR

Rolta Technology Park,
Plot #187, Phase I,
Udyog Vihar, Gurgaon - 122
016.
Tel : +91 (124) 439 7000

Chandigarh

SCO - 840, 2nd Floor,
Shivalik Enclave, NAC, Manimajra,
Chandigarh - 160 101.
Tel : +91 (172) 273 0254 /
3728

Dehradun

2nd Floor, Raj Plaza, 75, Rajpur
Road, Dehradun - 248 001.
Tel : +91 (135) 274 2474

South

Chennai

Century Plaza, 6th Floor,
561 / 562 Mount Road,
Chennai - 600 018.
Tel : +91 (44) 2432 9107,
2434 9634

Bangalore

Mittal Towers, 'C' Wing, 8th Floor,
47 / 6, M. G. Road,
Bangalore - 560 001.
Tel : +91 (80) 2558 1614 /
1623

Hyderabad

White House, Block III,
2nd floor, No. 6-3-1192/1/1,
Kundanbagh, Begumpet,
Hyderabad, Andhra Pradesh.
Tel: +91 (40) 2330 6806,
2339 1083