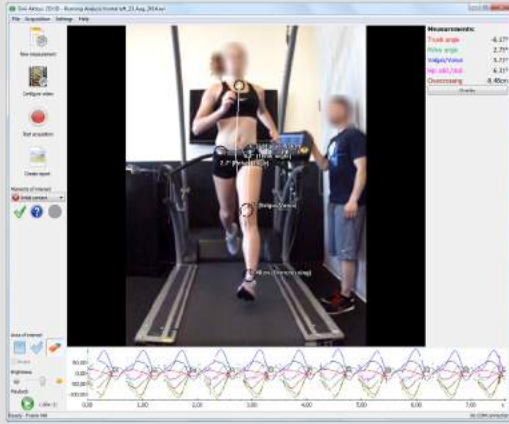


Simi Products: Clinical to research

Solutions for Motion Analysis and Biomechanics

Simi Aktisys

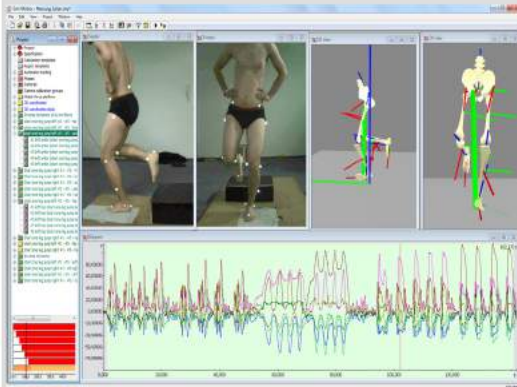


Real-time dynamic movement analysis

- Simple and quick, fully automatic, high speed
- Predefined protocols for Gait, Running and Spine
- Leading tracking technology for colored LED markers

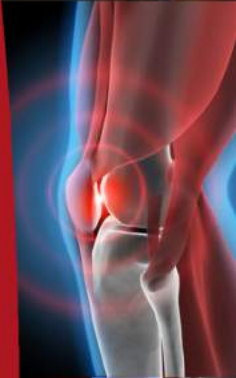


Simi Motion

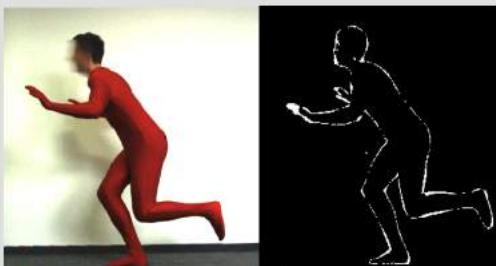


Clinical Biofeedback and 3D research systems

- Systems for lab and mobile use
- markerless, marker based and hybrid tracking
- Kinematics, Force Plates, EMG, EEG and Pressure
- Leading image processing technology



Recording and Segmentation



- Tracking of silhouettes to get full body 3D motion capture data
- Fully automatic processing
- Hybrid tracking possibilities
- No markers needed

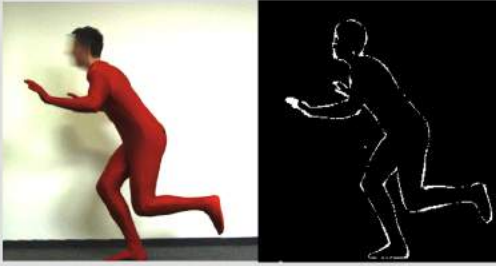
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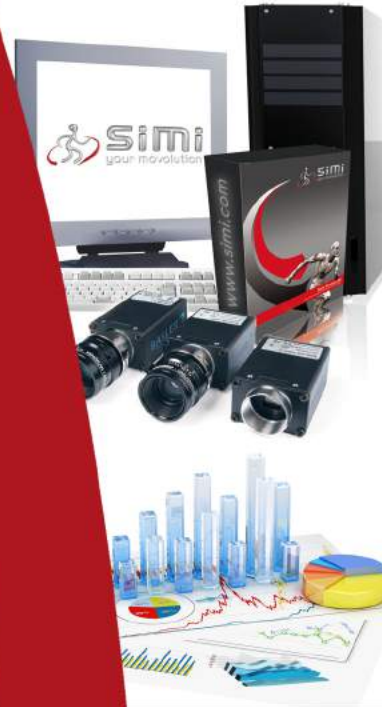
Simi silhouette tracking

3D motion capture without markers

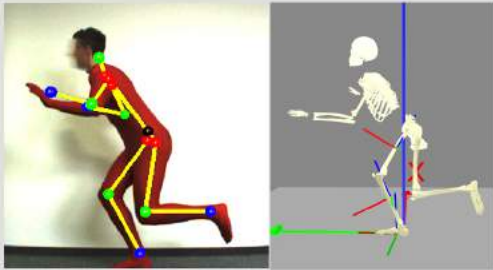
Recording and Segmentation



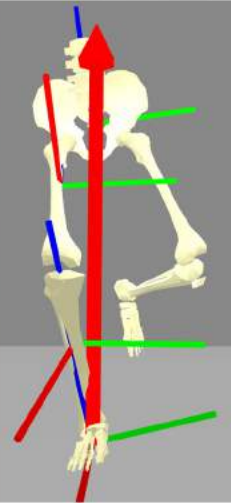
- 8 camera high speed recording
- Silhouettes extracted by **image segmentation**
- **No time loss** due to attaching markers
- **Reduced potential of error** due to misplacement or movement of markers



Silhouette Tracking



- **Tracking of silhouettes** to get full body 3D motion capture data
- **Fully automatic** processing
- **Hybrid** tracking possibilities



Advantages



- Full body 3D motion capture data
- Research quality results for biomechanics
- High accuracy in all planes
- **Combined silhouette and marker tracking**



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