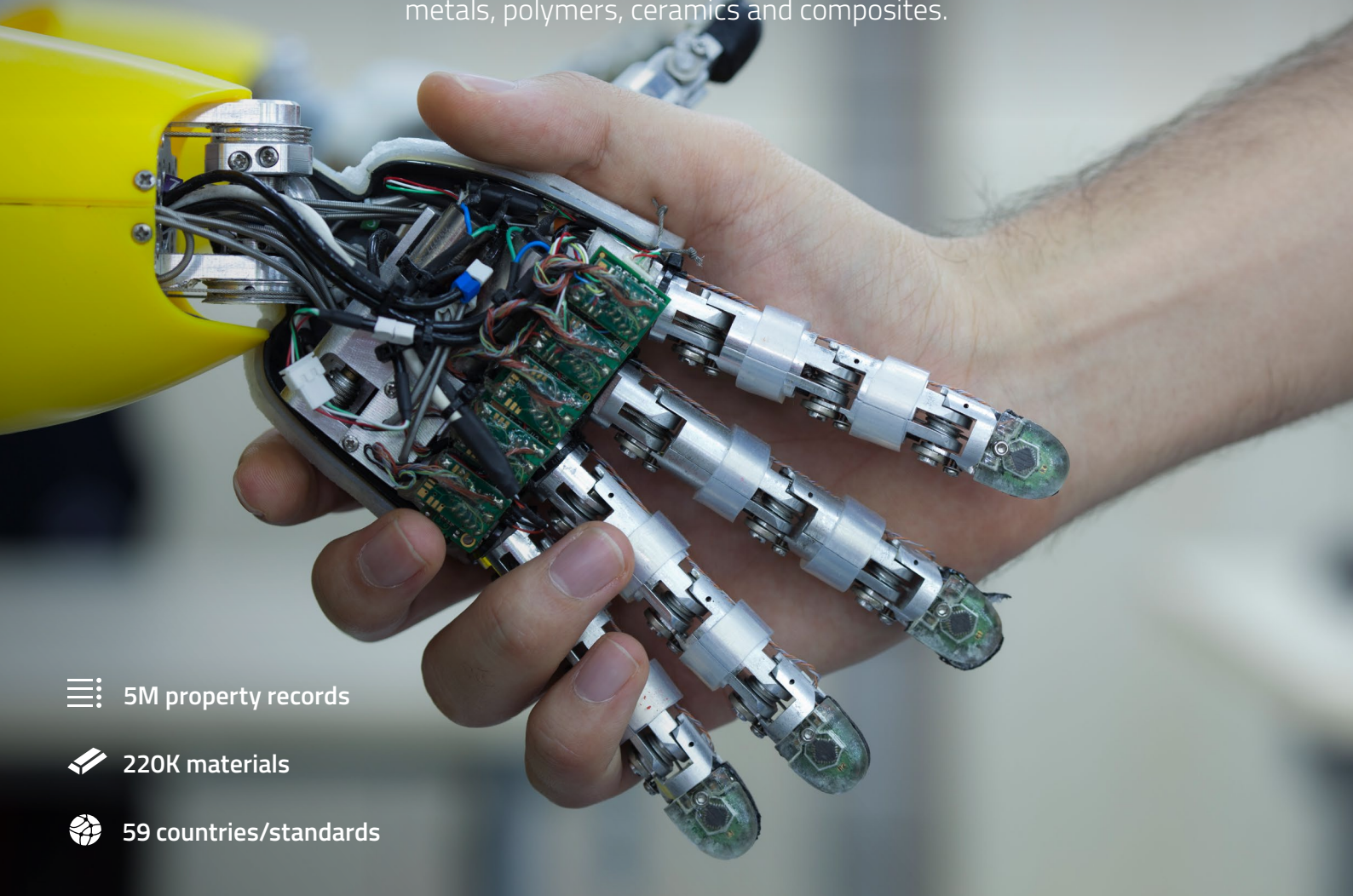


Total Materia

New products and a new name to meet all your material data needs!
Total Materia (All Materials) has replaced **KEY to METALS** (Metals Only)







Total Materia is the world's most comprehensive materials database providing lightning fast access to properties for over 220,000 metals, polymers, ceramics and composites.



-  5M property records
-  220K materials
-  59 countries/standards

Altair Product Offering from Total Materia

APA – Total Materia Premium Edition

-  **Total Metals** - The World's Most Comprehensive Metals Database
-  **Extended Range** - Unparalleled advanced material properties resource
-  **PolyPLUS** - Property data for thousands of non-metallic materials
-  **eXporter** - Bridge the gap between data source and CAE software
- Unit Cost: 40HWU (previously 50HWU)

Coming Soon! – Total Materia HyperMesh Edition

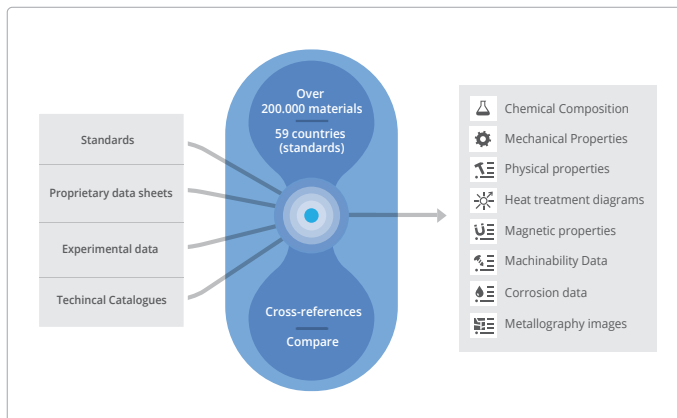
- HyperWorks integrated version, accessed from within the HW environment
- Search materials through the specifically designed TM repository
- Find properties from >230,000 materials and 63 standards
- Select and import into HyperMesh in a few simple clicks
- Ready to use format for material cards
- Availability: In line with Version 13.0 of HyperWorks
- Unit Cost: 29HWU

Total Materia Premium Edition: What's Inside

Total Metals

Cross-Referencing, Chemical, Mechanical and Physical Properties, Heat Treatment Details and Diagrams

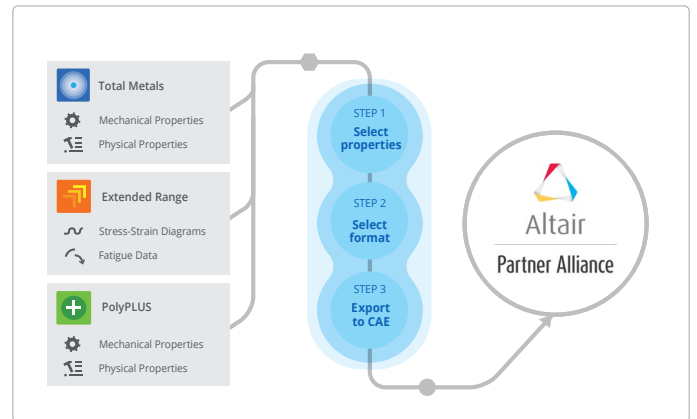
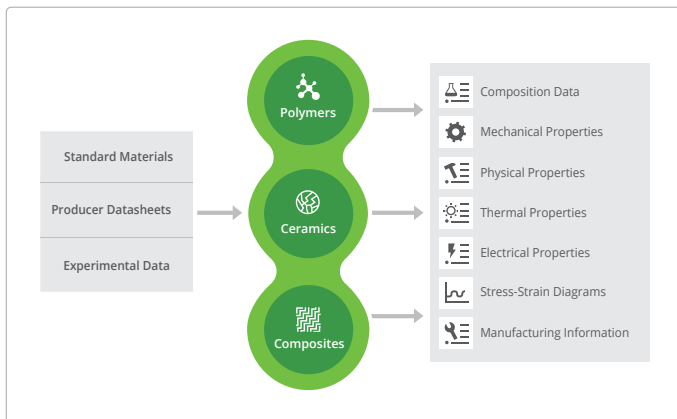
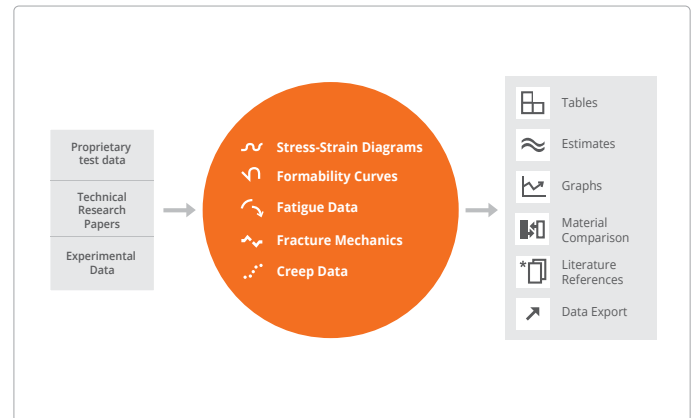
- over 5,000,000 property records
- over 200,000 alloys
- 63 Standards from 32 countries
- available in 22 languages



Extended Range

Advanced property data module for FEA/CAE calculations

- over 4,700 materials with stress-strain curves
- over 3,400 materials with formability curves
- over 7,700 materials with fatigue data
- over 1,000 materials with fracture mechanics
- over 7,500 materials with creep data



PolyPLUS

PolyPLUS Module containing property data for thousands of non-metallic materials

- over 34,000 polymers materials
- over 5,500 ceramic and composite materials
- over 2,000 polymers and composites with stress strain curves
- fatigue data for polymer and composite materials

eXporter

Add-on module allowing properties information to be exported in HyperWorks solver ready format

- export mechanical & physical properties
- export advanced properties
- efficiency through reduced data processing, copying, pasting and retyping

For more information on demonstration and training opportunities, please get in touch at custservice@keytometals.com