

# **Password Recovery Solutions**

## **Forensics & Investigation**

### **IT-Security Audit**



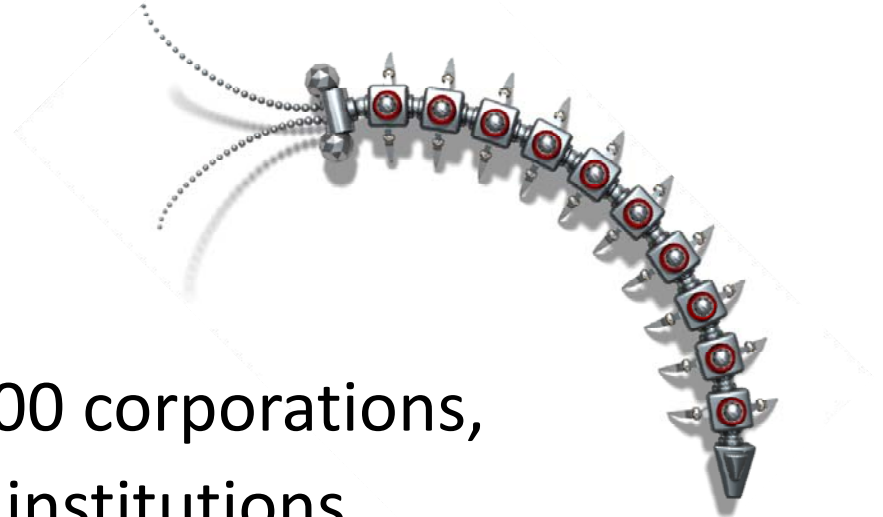
# Industry certified and acknowledged:

- Microsoft® Certified Partner
- Intel® Software Partner
- NVIDIA® Registered Developer
- Member of the Association of Shareware Professionals (ASP)
- Member of the Russian Cryptology Association (RCA)



# About ElcomSoft

- Established in 1990
- Based in Moscow, Russia
- Resellers worldwide
- Customers from Fortune 500 corporations, military and governmental institutions
- Patent-pending technologies (GPU acceleration, Thunder Tables)
- 100+ file formats supported



# Our Customers

- **High Tech:** Microsoft, Adobe, IBM, Cisco
- **Governmental:** FBI, CIA, US Army, US Navy, Department of Defence
- **Consulting:** Andersen Consulting, Deloitte & Touche, Ernst & Young, KPMG, PricewaterhouseCoopers
- **Finance:** Bank of America, Citibank, Equifax, HSBC, Wells Fargo, J.P.Morgan, Credit Suisse
- **Manufacturing:** Volkswagen, Siemens, Boeing
- **Telecommunications:** BT, France Telecom, AT&T

# If you are editor or journalist...

- Get the latest software versions for your testing, evaluation and personal use
- Read all news and whitepapers in our [Press Room](#)
- Download interviews and presentations from [Press Room](#)
- Contact Katerina Korolkova (ElcomSoft PR Manager) at: [pr@elcomsoft.com](mailto:pr@elcomsoft.com)



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- Get your **initial discount** straight away or upgrade it as on extra marketing contribution
- Be listed among our valuable [200+ partners worldwide](#)
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- Contact [Olga Koksharova](#) (ElcomSoft Marketing Director) at: [marketing@elcomsoft.com](mailto:marketing@elcomsoft.com)



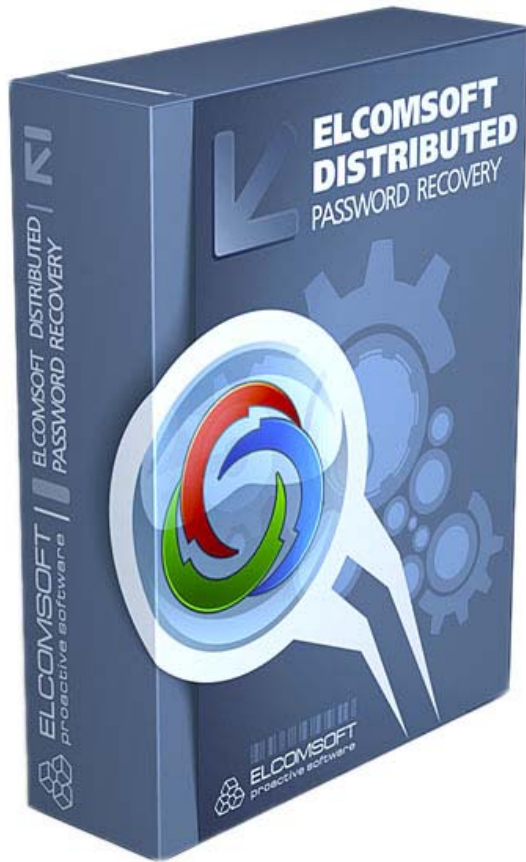
# Password Recovery and Decryption (for):

- Microsoft Office documents
- Windows Encrypting File System
- Wireless (WPA/WPA2) passwords
- Windows and UNIX logon passwords
- ZIP/WinZip and RAR archives
- PGP keys and PGP disks
- Adobe Acrobat PDF
- Lotus and Corel Office suites
- Instant Messengers, E-mail Clients
- ... [more solutions online](#)



# Elcomsoft Distributed Password Recovery

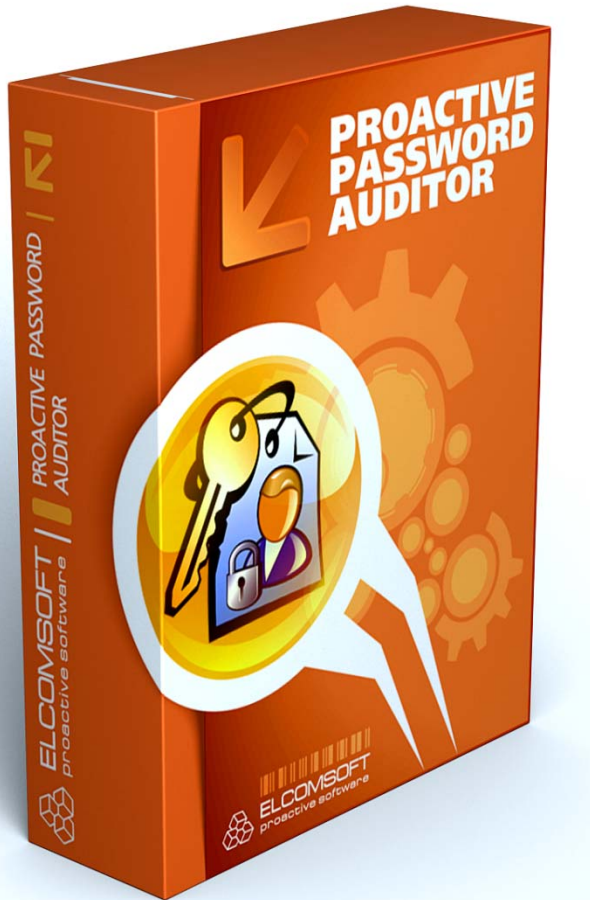
## Distributed Password Recovery



- **New!** SMP and multi-core support: virtually unlimited number of cores
- NVIDIA GPU support: 50x faster recovery
- Use up to 10K workstations without performance drop-off
- Save your network's resources: linear scalability with no overhead
- Broad compatibility



# Proactive Password Auditor



- Determine how secure your corporate network is:  
Effective audit of user accounts' passwords
- Recover up to 95% of passwords in just minutes from the inside with Rainbow attack

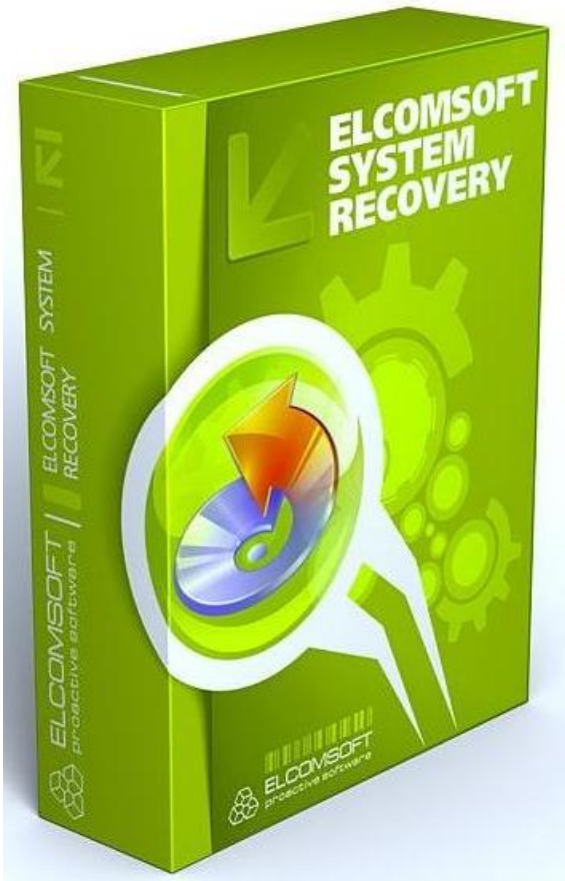
# Elcomsoft Password Recovery Bundle



- Complete suite of ElcomSoft password recovery tools
- 100+ file formats supported
- GPU acceleration: [50x faster](#)
- Remote management of password recovery workstations
- Standard, Business and Forensics editions available

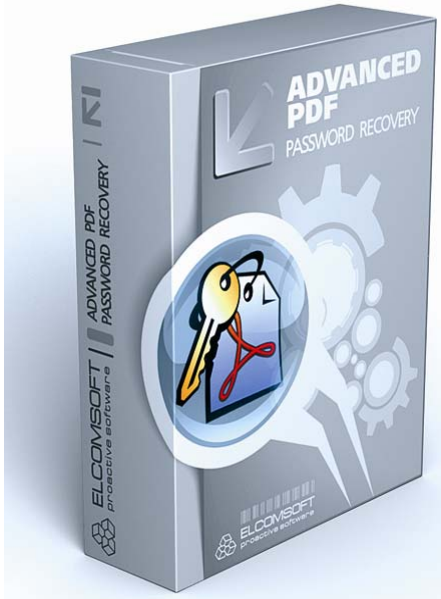
# Elcomsoft System Recovery

- Based on Windows PE bootable CD or USB Flash Drive
- Windows NT 4.0, 2000, XP, 2003, **Vista, 2008** logon passwords
- Recovers or resets user and administrative passwords
- Assigns administrative privileges to any user account



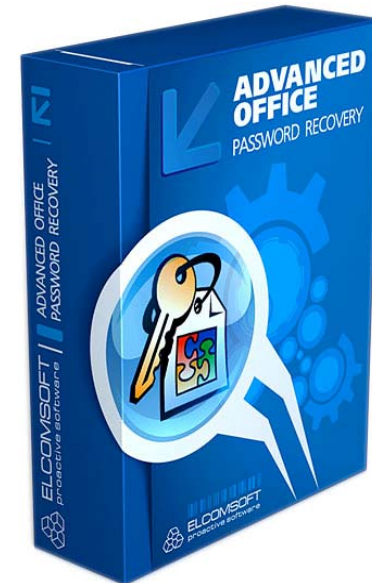
## Advanced PDF Password Recovery

- All versions of Adobe Acrobat (including Acrobat 9), all third-party products producing PDF files
- Instantly unlocks PDF documents with printing, copying and editing restrictions
- Dictionary and brute-force attacks with user-defined masks and revolutionary Thunder Tables™ technology



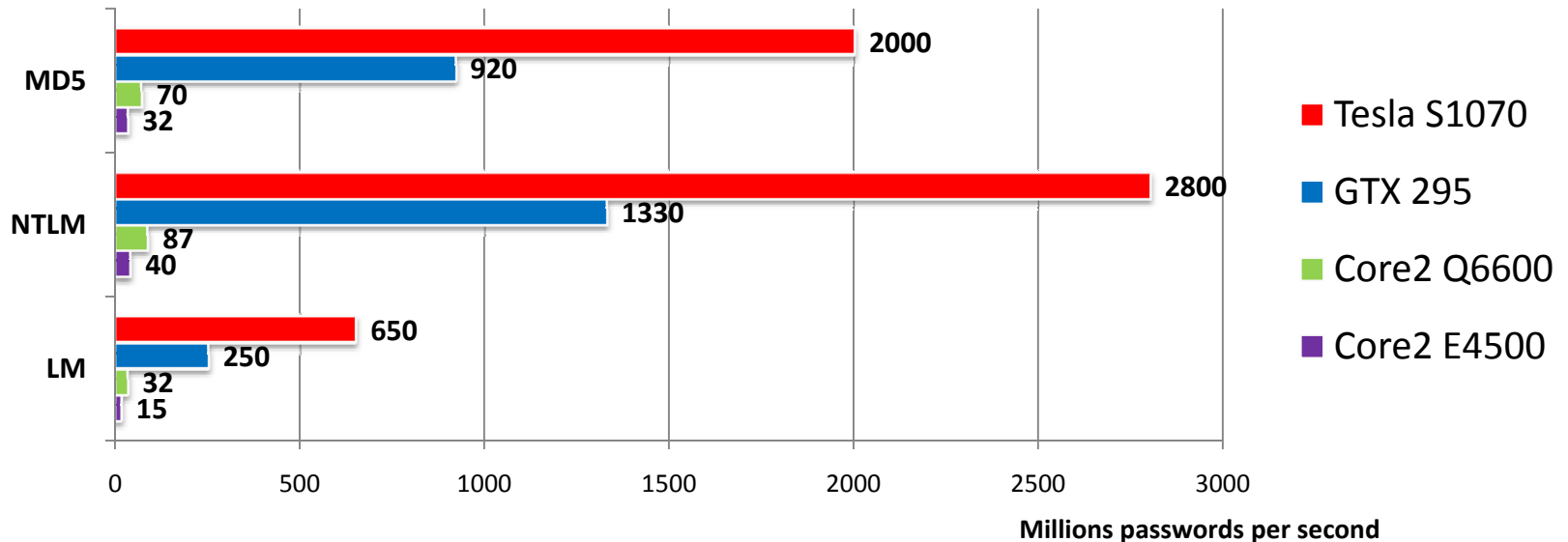
## Advanced Office Password Recovery

- for Microsoft Word, Excel, Access, Outlook, Project, Money, PowerPoint, Visio, Publisher, OneNote, VBA projects
- all versions from 2.0 to 2007



# Our Innovations

- **GPU-acceleration** (patent-pending)



- **Thunder Tables™** technology

uses pre-computed hash tables to significantly speed up the recovery of 40-bit keys.

# Attack Alternatives

## Table Lookup

- Instant result
- Huge storage
- **Guaranteed result**

## Brute-Force

- Time consuming
- No storage
- **Guaranteed result**

## Rainbow Tables

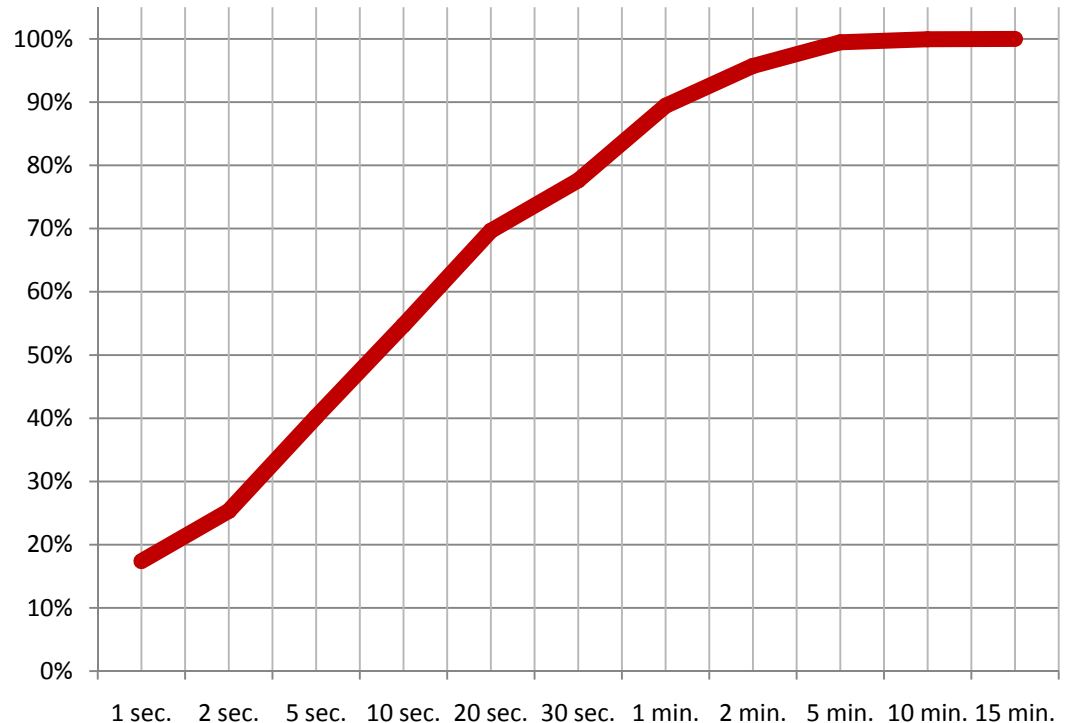
- Almost instant result
- Reasonable storage
- Decryption NOT guaranteed

## Thunder Tables

- Almost instant
- Reasonable storage
- **Guaranteed result**

# Thunder Tables: Performance

% Keys Recovered	Elapsed Time
50%	8 sec.
90%	1 min.
95%	2 min.
99%	4 min.
100%	13 min.



**Average attack time is 25 sec.**

\* Test configuration: Intel Core 2 Duo 1.86 GHz with 1 Gb RAM

# Thank you



For more information please visit our web-site

[www.elcomsoft.com](http://www.elcomsoft.com)