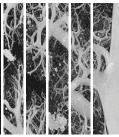# InstaRecon® CBR
The World's Fastest Micro-CT Reconstruction Software

FEATURES

More brain than brawn. Based on patented algorithms, the InstaRecon® CBR reconstruction engine provides a new way to do the computation, rather than throwing more hardware at the problem.

Accelerated Reconstruction. InstaRecon® CBR provides speedups of 10x to 100x compared to the fastest CPU-based reconstruction software, and 2x to 10x compared to GPU-based solutions.

Seamless Integration with all Bruker/SkyScan micro-CT and nano-CT scanners. Available as an option with all new systems or as an upgrade to existing installations.

BRUKER
Bruker microCT

SKYSCAN
X-RAY MICROTOMOGRAPHY

PRODUCTS

InstaRecon® CBR Premium™ runs on a single PC, reconstructing images up to 15K x 15K in cross-section. Cluster licenses are available for distributing large reconstruction jobs on up to four nodes.

A free one-month demo of InstaRecon® CBR Premium™ is available. Contact your Bruker distributor or InstaRecon (www.InstaRecon.com).

WHY SHOULD YOU GET INSTARECON® CBR?

Increase the throughput of your micro-CT scanner and accelerate the pace of discovery. Quickly close the loop around the micro-CT experiment and make the most out of your investment.

InstaRecon® CBR is whisper-quiet and green. Save precious space in your lab or server room by eliminating the extra PCs and hardware you would need with other solutions, and cut down electricity and cooling costs.

InstaRecon® CBR is future-proof. Unlike massive hardware-based solutions, a single, moderate cost PC upgrade is all that is needed to benefit from increasing processor speeds.

PERFORMANCE BENCHMARKS

Cross section format	1k x 1k	2k x 2k	4k x 4k	8k x 8k	15k x 15k
Number of cross sections	615	1,229	2,255	2,495	2,610
Number of projections	499	996	1990	2157	8100
NRECON/1 PC	238 sec	3480 sec	913 min	3552 min	*1440 hr
NERCON/4 PC	43	683	180	700	*336
GPURecon/1 PC + GPU	21	247	62	275	140
GPURecon/4 PC + GPU	12	84	24	82	*45
8x Tesla GPU Cluster	14	98	19	68	19
InstaRecon/1 PC	12	80	9	43	10

*Time Estimated