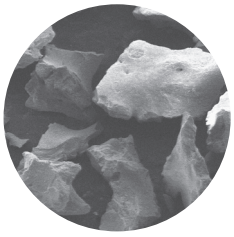
maxxeus by CTS

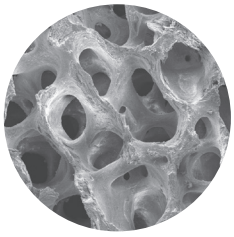
Xenograft
Bone Particulates

Anorganic Cancellous Particulates derived from Australian bovine bone and manufactured in the United States

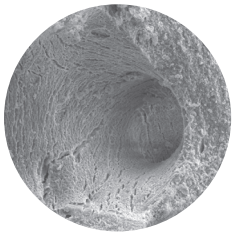
- Similar pore structure to that of human bone
- Large number of well shaped micropores
- Superior porosity and surface area



Irregular porous shape promotes angiogenesis



Well defined pore structure



40-60µm micropores

Small Particulates (0.25-1.00mm)		
Jar	0.54 cc (0.25 g)	XK005
	1.08 cc (0.5 g)	XK010
	2.16 cc (1.0 g)	XK020
	4.32 cc (2.0 g)	XK040
Syringe	0.25 cc	OK025
	0.5 cc	OK005

Large Particulates (1.0-2.0mm)		
Jar	2.0 cc (0.5 g)	XL020
	4.0 cc (1.0 g)	XL040
	8.0 cc (2.0 g)	XL080
Syringe	0.5 cc	OL005

A Natural Grafting Solution

Maxxeus xenograft particulates are a natural hydroxyapatite bone grafting material. The highly purified osteoconductive material is produced from natural bone through a multi-step purification process. Due to its natural origin, it is chemically, as well as structurally, comparable to mineralized human bone (nanocrystalline natural apatite).

The presence of a macroporous structure favors cell ingrowth while the micropores allow the penetration of patient cells into the graft. The pore structure and interconnected pore system allow the grafting material to act as a guide for growth factors, blood vessels, bone marrow, and bone cells.

Safety Assurance

Maxxeus Xenograft Jar Particulates are packaged in a glass vial in a single blister tray. Maxxeus Xenograft Syringe Particulates are packaged in a syringe in a single blister tray. Each graft has a three year shelf life and is stored at ambient temperature. Grafts are processed using a proprietary method, and when combined with terminal irradiation, provide a Sterility Assurance Level of 10^{-6}.