ZAP Surgical Systems is a company that specializes in advanced radiosurgery, focusing on non-invasive treatments for brain tumors and other intracranial conditions. Their flagship product, the **ZAP-X® Gyroscopic Radiosurgery platform**, is designed to provide precise, high-dose radiation treatment using a unique gyroscopic design. This platform allows for the delivery of radiation from multiple angles, minimizing exposure to surrounding healthy tissue while targeting the tumor or lesion.

One of the key innovations of ZAP-X is its **vault-free design**, which eliminates the need for traditional radiation-proof facilities, making it more accessible for smaller hospitals and outpatient centers. The system is primarily used for treating brain tumors, metastases, and other neurological disorders. ZAP-X is also designed to be more cost-effective and simpler to operate than earlier stereotactic radiosurgery systems like the Gamma Knife or CyberKnife.

Founded by **Dr. John R. Adler**, the inventor of the CyberKnife, ZAP Surgical aims to democratize access to radiosurgery, enabling more hospitals worldwide to offer this cutting-edge treatment without the high infrastructure costs of older technologies

If you're interested in more details about their systems and innovations, you can explore their website [here](https://www.zapsurgical.com).