

The Right Mix

nexeo[®]
plastics

Better together: Blending our expertise for you

Unified Excellence: A Comprehensive Solution for Laparoscopic Surgical Instruments

Accelerated Market Entry, Expert Material Selection, and Reliable Collaboration for Success

CUSTOMER CHALLENGE:

The customer developing the NexGen laparoscopic device required enhanced performance across multiple components — seeking materials with lubricity, mechanical strength, reduced actuation force, and custom colors. The challenge: achieving this with tight timelines for prototyping, testing, and validation.

ACTION TAKEN:

Americhem Healthcare collaborated early with the customer to deliver:

- Tailored material solutions for each device component using its full portfolio
- Custom color matching and formulation tuning for superior aesthetics and performance
- Early supplier involvement to accelerate design validation and reduce costs
- Technical expertise to fine-tune mechanical properties and streamline launch

Material Solutions Included:

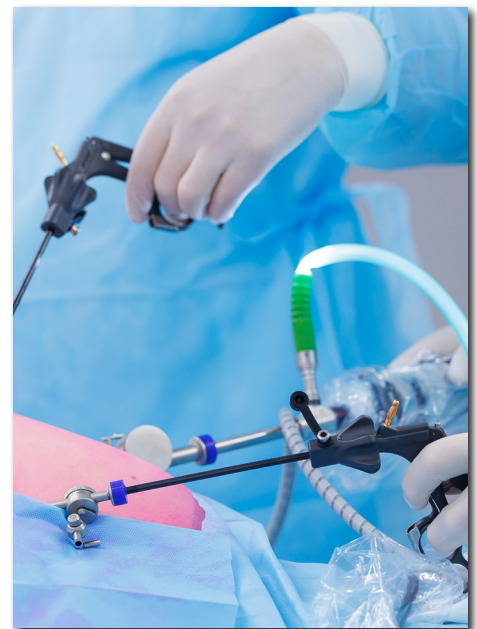
Housing: ColorRx[®] PA-2000RX

Internals: InLube[®] PPSi, PPACFTF, PA66CFTF

Trigger: InStruc[®] PA66GF33

Lever: InLube[®] PCGFTF

Button: ColorRx[®] PC-2000RX Colors



RESULTS:

- Delivered high-performance, application-specific compounds across the entire device assembly
- Achieved rapid prototyping and color match turnaround
- Met demanding quality and regulatory standards
- Accelerated development and time-to-market
- Established Americhem Healthcare as a trusted, end-to-end material solutions partner

Discover how we can help you overcome your material, process, and application challenges.



1.833.446.3936 | nexeoplastics.com | mynexeo.com

All statements, information and data presented herein by Nexeo Plastics are believed to be accurate but are not to be taken as a guarantee or other representation for which Nexeo Plastics and its affiliates and subsidiaries assume legal responsibility.

NEXEO PLASTICS EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARISING OUT OF ANY USE OF THE PRODUCTS OR SERVICES IDENTIFIED HEREIN OR RELIANCE ON ANY INFORMATION PROVIDED HEREIN.

All statements, information, recommendations and products must be thoroughly evaluated and verified by the end user to determine their applicability or suitability for each particular use. Typical values are indicative only and are not to be construed as being binding specifications.

* Trademark owned by a third party

©2025 Nexeo Plastics, LLC. All Rights Reserved.

20250424