

PATENT PENDING

# FLEXNECK™

INNOVATIONS

## Manufacturer Information Package

One patented platform. Endless disposal applications.



## PROJECT OVERVIEW

# Reinventing Disposable Containment

FLEXNECK™ is a patent-pending containment platform engineered around a reinforced stretch-opening system that enables cleaner, safer, and more hygienic disposal across multiple industries.

## The Problem

Disposable bags used for pet waste, baby care, medical, and industrial applications were designed decades ago. Their thin, unreinforced openings tear easily, slip during use, and can expose users during disposal — problems that have gone unaddressed for a generation of otherwise everyday products.

## The Solution

FlexNeck introduces a reinforced elastic opening that distributes stress across the rim while creating a larger, more secure hand-entry point. Combined with a deep containment pouch, this improves usability and reduces accidental tearing during inversion and disposal — the exact failure points of conventional bags.



FLEXNECK™ reinforced elastic opening — distributes stress, resists tearing.

THE TECHNOLOGY

# Engineered Different

Traditional bags rely on thin plastic openings. FlexNeck's reinforced elastic rim distributes stress across the opening while creating a larger, more secure hand-entry point — improving usability while reducing accidental tearing during inversion and disposal.

<b>Elastic Rim</b>	Reinforced stretch-opening resists tearing under load.
<b>Deep Body</b>	Extra depth and volume for secure, complete containment.
<b>Large Opening</b>	Simplifies hand insertion and secure closure after use.
<b>Stress Distribution</b>	Spreads mechanical load across the rim rather than one seam.

PROTOTYPE STATUS

## Version 1 — Hand-Built Functional Prototype

The current prototype is a functional concept model used for early testing and manufacturer evaluation. It demonstrates the deep pouch body, reinforced stretch opening, and elastic rim behavior under real-world use.



Version 1 prototype — top opening view and exterior view.

PLATFORM REACH

# One Innovation, Multiple Industries

FlexNeck's core mechanism is not tied to a single product category. The same reinforced stretch-opening platform applies wherever a disposable containment vessel is used.

<b>Pet Waste</b>	Launch market — steady, repeat-purchase demand
<b>Baby Care</b>	High-volume, high-frequency category with strong brand loyalty
<b>Medical</b>	Regulated, high-value channel with strict containment standards
<b>Feminine Hygiene</b>	Underserved category ready for a more discreet solution
<b>Janitorial</b>	Recurring B2B demand across facilities and offices
<b>Outdoor &amp; Travel</b>	Growing outdoor recreation and travel-goods market

**MANUFACTURING CAPABILITIES WE'RE SEEKING**

If your company has experience in any of the following, we'd welcome a conversation:

- ✓ Plastic film extrusion
- ✓ Injection molding
- ✓ Elastic components manufacturing
- ✓ Heat sealing
- ✓ Automated assembly
- ✓ High-volume packaging
- ✓ Quality assurance / testing
- ✓ Global shipping and logistics

WHY PARTNER WITH FLEXNECK

# A Platform, Not a One-Time Run

## New Product Category

Become a production partner for a new, patented containment platform — not another commodity SKU.

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The core mechanism is protected IP, giving manufacturing partners a defensible category to grow into.

## Multiple Markets

Pet, baby, medical, feminine hygiene, janitorial, and outdoor — one platform, many categories to supply.

## Long-Term Growth

Built for licensing and global commercialization — a long-term relationship, not a single production run.

### IP & CONFIDENTIALITY

FlexNeck™ is protected by a pending patent application covering the reinforced stretch-opening mechanism. This document and its contents are confidential and provided solely for the purpose of evaluating manufacturing capability. Please do not share or reproduce any part of this package without written permission.

### NEXT STEPS

- |                              |  |
|------------------------------|--|
| <b>1. Your Response</b>      | Complete the RFQ form (available on request) and send it back with your quotation. |
| <b>2. Sample Development</b> | We review submissions and select partner(s) to develop prototype samples.          |
| <b>3. Sample Testing</b>     | Samples are tested for performance, durability, and usability.                     |
| <b>4. Production</b>         | Upon approval, we move forward with tooling and mass production.                   |

LET'S BUILD THE FUTURE OF

# Disposable Containment

FlexNeck Innovations is seeking manufacturing partners to help bring our patent-pending containment platform from prototype to commercial production.

If your company has experience producing consumer products, packaging, medical disposables, or plastic film products, we'd welcome the opportunity to explore a partnership.

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<b>IP Status</b>	Patent Pending

Thank you for your interest in collaborating with FlexNeck Innovations.