



**INNOVATIVE SOLUTIONS  
for SPRAY COATING, FIRE  
PROTECTION and  
PIPELINING  
APPLICATIONS**

**2009  
Base Product Guide  
and General information**



## PROFILE – CoverCat 25th Anniversary Year

**CoverCat Spray Systems Ltd** was formed in January 1984 and we are proud to report that we are now in our 25th anniversary year of providing specialist spray equipment and Internal Pipeline Coating equipment both from our UK and USA based operations through **coverCat Inc.**

We are extremely grateful to our customers past and present for their support and it is with this in mind that we embark upon the next 25 years in eager anticipation and with new goals to further improve and expand our range of equipment and services.

At the outset, the company supplied Industrial Paint Spraying Equipment, offering both Sales and Hire options with the added benefit of on site or in-house servicing capability and this is still a valuable part of the service we service.

CoverCat designed and manufactured its first Plural Component Spray System in 1989 and created the name CoverCat for all future products and this now has a 20 year history.



The CoverCat range of standard systems are available either directly or through a nominated distributor. We are also represented by several authorised factory approved Agents.

CoverCat is also experienced at producing special or unique systems designed and manufactured to individual customer requirements.

We have always recognised the need to be at the forefront of spray technology and continue to invest in research and development to create innovative solutions to meet our clients needs on a world-wide basis.

## SERVICES

CoverCat provide a complete service to Spray Coating contractors and their clients by offering to undertake a wide range of activities for new or existing equipment:

- Application Partnerships
- Research & Development
- Design
- Manufacture
- Installation
- Conversion
- Refurbishment
- Testing
- Training
- Support
- On-site Service
- Hire/Rental/Leasing

CoverCat equipment is known and used world-wide by customers who require a reliable and repeatable quality of application for both high and low solids coatings:

- Ship Building
- Pipeline Renovation
- Off Shore Maintenance
- Petrochemical
- Oil & Gas Industry
- Water & Waste Water

## DEMONSTRATIONS, TESTING AND TRAINING

**CoverCat** will be pleased to arrange demonstration equipment in Europe and North America and also worldwide by special arrangement. CoverCat is able to carry out demonstrations on site or in house. Please contact our offices to make arrangements.

A comprehensive training program is recommended with the commissioning of any system. At each stage of the training course a large emphasis is placed on the importance of preventative maintenance. A certificate will be issued to everyone completing the training course.



## Fixed Ratio Plural Component Spray Coating Equipment – A standard range of products with upgrade options.

Typically cart mounted but also available on frame or skid mounting for installation in the clients own vehicle or facility.

### CoverCat 302

**Compact Cart Mounted System suitable for use in confined areas**

The **CoverCat 302** has been designed specifically for use where access in confined areas, through building access doors or walkways is required. Also used on Roof areas and on sites where rough ground is common.

The unit is intended mainly for single gun application of a range of low to high solids plural component materials.

It can be used with a remote mix manifold and hose extensions for fast cure materials including Epoxy, Polyurethane and Polyurea coatings.



**CoverCat 302 range of Compact single gun units**

### CoverCat 352

**Heavy Duty and Multi Gun Spray system for Low Solvent, High Solids, Plural Component Paint Spraying with Multi-Gun capabilities**



The **CoverCat 352** is a heavy duty spray system typically used in shipyards, heavy industrial or construction facilities where several spray guns may be used simultaneously from one unit.

The machine may be used with remote mix manifold applications for fast cure and 100% solids materials. The machine can be upto 60 meters from the Spray gun(s). Paint supply may be small 5 gallon (25litre), or 55 gallon (200litre) drum.

### CoverCat 452

**The Bulk Supply Spray System**

**High Solids, Plural Component Paint Spraying with Multi-Gun capabilities**

The **CoverCat 452** is the largest most powerful plural component spray system made by CoverCat and has no equal in capacity or capability.

A high volume, heavy duty spray system with cart mounted 55 Gallon (200litre) Component Feed drums. The System is regularly used in Shipyards and supplies upto 6 Spray Guns on individual hoses to 500feet (150 meters) from the unit. It has been extensively employed in Shipyards in the USA with great effect. The heavy duty cart with Lift Frame Option is highly portable. It is a self contained unit requiring only air and power supplies to enable operation.



**Specialist Plural Component Spray Coating Equipment**  
**A range of products for specific applications with upgrade options.**

**CoverCat 306VR Adjustable Ratio Paint Spraying Machine**



CoverCat now offers a fixed ratio Spray machine with a simple mechanical adjustable ratio yoke system.

The ratio is fixed at all times during use and so provides accurate ratio control without the concern of any electronic or sliding scale adjustment. To change ratio between products simply release a clamp screw and move the pump to the correct pin located position and tighten the clamp screw.

This means that operator error and other factors are virtually eliminated and a simple ratio test allows the system to be prepared for any new product.

Pressure Output up to 5500 psi (360 Bar) and delivery to 1.25 gallons (6 litres) /minute are achievable at normal stroke rates.

**CoverCat Hose Bundle assembly and Remote mix manifold with whip hose and spray gun with reversible spray tip**

CoverCat uses the highest specification wire and Kevlar braided hose with a 4:1 safety factor for maximum user protection

- Easy to operate
- Easy to service
- Low replacement parts costs



**CoverCat Genuine Replacement Spare parts**



**Specially selected and quality checked parts and accessories for all Covercat machines are always on stock for your continuous round the clock support**

**Passive Fire Protection (PFP) Application Equipment  
Solvent Free Epoxy Intumescent Spary application  
A range of products for specific applications with upgrade options.**

**CoverCat 302F 3000 PFP Unit  
for 1:1 Direct ram feed solvent free application**



CoverCat has developed a special unit for direct drum feed using 1:1 ratio materials with a fixed ratio displacement pump mounted to a self aligning ram system using twin follower plates

The system uses 3 phase electrical power at 220V for the USA and 400V for other locations.

- Easy to Maneuver and operate
- Compact and portable
- Manufactured for use with heavy duty 1:1 ratio coatings
- Air powered, hot water heated hose and flush
- Avoids handling and manual mixing
- Increased safety - no solvent addition
- Improves mix quality and spray quality
- Cure time improvements over solvent material
- 100 feet (30 metre) hose assembly with remote mix manifold.

**CoverCat 352F PFP Unit**

**Passive Fire Protection**

**Key Benefits include:**

- Long Service Intervals
- Low Wastage
- Produced as a contractor friendly machine
- Small system for fixed ratio PFP application
- 100 feet (30metre) hoses to remote mix manifold

The CoverCat 352F System is compact, mobile and simple to use being most suited to small and medium sized applications and can replace Single Pack application where solvent addition would have been necessary.



**Heavy Duty Passive Fire Protection (PFP) Application Equipment**  
**Solvent Free Epoxy Intumescent Spray application**  
**A range of products for specific applications with upgrade options.**

**CoverCat 452F**  
**High capacity PFP application Machine**



CoverCat produces the largest 450 series units for application of high volumes of PFP materials in the largest of fabrication facilities

The system uses 3 phase electrical power at 220V or 400/440V ( to be specified).

Hose lengths to 60 metres plus remote mix manifold

- Easy to Maneuver and operate
- Manufactured for use with heavy duty fixed ratio coatings
- Air powered, hot water heated hose and flush
- Avoids handling and manual mixing
- Increased safety - no solvent addition
- Improves mix quality and spray quality
- All equipment on one cart unit
- Single power cable from 3 phase supply

**CoverCat 351F and 451F PFP Units**

**Passive Fire Protection**

**Key Benefits include:**

- Long Service Intervals
- Low Wastage
- Flame Proof and Hazardous Area versions available

The CoverCat 351F and 451F System is skid mounted and comprises of digital temperature control and other higher level instrumentation for the most critical applications.

These units are typically used on Offshore platforms and other critical locations.

Hose lengths to 60 metres plus remote mix manifold



## CoverCat IN-SITU SPRAY LINING RIGS

CoverCat Pipeline Engineering manufactures new in-situ spray lining rigs to individual requirements for a number of customers and can offer the option of modifying, refurbishing or upgrading existing equipment for the application of various component products.

For further details, contact CoverCat Pipeline Engineering.



## CoverCat Lining Machinery



A range of special coating application turbines are available to allow coatings to be applied in pipes from 1.1/4" (32mm) i.d. to 40" (1250mm) i.d.

The Turbine head is connected to the Lining Rig through an umbilical hose assembly carefully constructed and Kevlar braided in lengths up to 750feet ( 250m)



The Lining rig is controlled by a specially developed computer system using CoverCat HMI software with remote support by digital modem



## CoverCat Factory Lining Equipment



CoverCat equipment is most commonly used in applications requiring transportable equipment for use in a range of locations. Skid and chassis mounted equipment is often used in a fixed location for a specific contract and then packed in to containers for transport and relocation purposes.

Cart Mounted Systems include forklifts access points and Lift Frame Units can be installed as optional equipment to most systems.

Hazardous area certified equipment is also available to various local standards.

### CoverCat 900 PIPESNAKE

Articulated Snake with Multiple Drive Units for negotiating tight bends & inclines, fully reversible



The Pipe Snake has been developed to fulfil the need for a pipe coating & inspection tool which was able to negotiate tight corners, in any direction, and able to climb and descend inclines.

## CoverCat Facilities



**CoverCat** 25,000 square feet (2,500 sq m) facility at Newton Aycliffe, County Durham



**CoverCat** Training School



**CoverCat** Exhibition Stand



**CoverCat** Stores

**CoverCat** Despatch



## CoverCat Manufacturing

### CoverCat Design



### CoverCat Manufacturing



### CoverCat CNC Machine Shop



### CoverCat Inspection



## CoverCat Production

### CoverCat Assembly



### CoverCat PDI and Testing



### CoverCat Despatch





## CoverCat Pipeline Engineering Ltd.

CoverCat Pipeline Engineering Ltd was established in 2001 to provide a full range of pipeline renovation equipment for the Water, Petrochemical and Industrial sectors, providing coating contractors with spray systems for both internal and external applications. CoverCat PE has set about the task of designing new lining equipment which will reliably and consistently apply high quality linings under typically adverse site conditions.

CoverCat Pipeline Engineering is staffed by an experienced and resourceful team with the capacity to offer cost effective and innovative solutions. In addition we offer our customers the option of modifying, refurbishing or up-grading your existing coating equipment, or of converting equipment to alternative component products for differing applications.

## CoverCat Inc.

CoverCat Inc. was established in 1999 to meet the growing demand for Plural Component Spray and Pipelining equipment in North America. This base has a duplicate CoverCat stock holding and is staffed by an experienced team, currently at facilities in New York., servicing clients nationwide.

CoverCat continues to expand its business activities in the U.S.A by introducing further technical resources and offering the CoverCat Pipeline Engineering range of equipment and services.

In-situ spray lining of all pipelines is a specialist market and CoverCat is able to offer a comprehensive partnership and support package including Materials, equipment and technical support.

This represents a cost effective durable renovation technique to improve the quality of service pipelines.

## CoverCat Spray Systems Ltd.

In our facilities at Newton Aycliffe County Durham UK, CoverCat holds a comprehensive stock of spare parts and consumable items for trade counter collections or overnight deliveries.

Combining all this, we offer on-site service and technical support, maintenance contracts and also operator training.

This represents a complete support package and one stop shop for our clients requirements in this specialist field of a highly technically capable industrial field.

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