

彩色拉烟剂
Smoke Colors

绚丽舞蓝天
Dancing with Beautiful Contrails



颜谷科技发展（天津）有限公司
Color Valley Technical & Development (Tianjin) Ltd.

彩色拉烟剂

编织美丽的彩虹

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Color Valley Technical & Development (Tianjin) Ltd.

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颜谷科技发展（天津）有限公司，是一家新型着色材料的高新技术企业。主营产品为航空彩色拉烟剂及各种速溶色浆粉。彩色拉烟剂主要服务于各种飞行表演；速溶色浆粉主要服务于油漆/涂料，油墨，塑料，日化和石化等行业。

Color Valley Technical & Development (Tianjin) Ltd. Is one of the Hitech Company mainly Producing the Smoke Colors for Aviation Show and several type of Solid pigment preparation for paints/coating, printing inks, plastics ,petrol chemicals and some special industries.

公司主要业务及产品 （Main Business & Products）

航空彩色拉烟剂

(Smoke Colors for Aviation Show)

喷气飞机专用型

(8100 和 6100 系列)

For Air Plane with turbojet engine

(8100 和 6100 series)

活塞发动机及航模飞机专用型

(2100 系列)

For Air Plane with piston engine

(2100 series)

水性速溶色浆粉 （ Water based Solid Pigments Preparation)

水性速溶色浆粉（Fasocolor W 系列）适用于各类水性材料的着色，包括水性工业涂料/水性皮革涂料/水性纺织涂料/水性油墨，美术颜料/纸张着色。

Water Base Solid Pigment Preparation , For water base decorative coating /industrial coatings / leather coating / textile coating and water based Printing Inks.

It can also be used in coloration of art and paper products.

油性速溶色浆粉 （Solvent based Solid Pigment Preparation）

Fascolor A 系列 - 通用色浆粉, 用于各种溶剂型工业油漆油墨

Universal type for solvent based coating and priting inks

Fascolor B 系列 - 丙烯酸色浆粉, 用于溶剂型丙烯酸涂料

Acrylic type for Solvent based Acrylic Paints

Cabcolor C 系列 - CAB 色浆粉, 适用于各种高性能涂料及油墨

CAB type for high performance Coatings and inks



航空彩色拉烟剂

Smoke Colors

本产品主要用于航空飞行表演显示表演飞机的飞行轨迹以获得更好的观赏效果。本品采用高级着色材料，发烟材料，功能助剂，溶剂等原材料，通过特殊加工工艺制成的新型液体彩色拉烟剂。本品不含二甲苯/四氯化碳等对人体有毒有害的物质，大大降低了在生产环节以及使用时对人体的伤害和对环境的污染。该彩烟剂具有清洁环保，色彩鲜艳，烟雾浓，烟带稳定，留空时间长等特点。

Smoke colors are mainly used in Airshow for Air Demonstration. With the colored smoke, the audience can easily see the contrails of the Aircraft during the demonstration.

This is new type of smoke colors in liquid form, It consists of dyestuffs, smoke materials, functional additives and solvents (without xylene and tetra chloromethane) and manufactured by a special process and technology.

The smoke colors are produced cleanly and safely. They are environmental friendly products with a very brilliant color, high dense, stable smokes and long stay in the sky when used in Air Demonstration.

81 系列彩烟剂-喷气式飞机用 (81 Series for turbojet Engine)

品种 (type)	颜色 (Color)	浓度 (Dense of Smoke)	留空时间 (Stay of Contrail)
8100	白 (White)	很浓 (High Dense)	很长 (Very Long)
8101	黄 (Yellow)	很浓 (High Dense)	很长 (Very Long)
8102	橙 (Orange)	很浓 (High Dense)	很长 (Very Long)
8103	红 (Red)	很浓 (High Dense)	很长 (Very Long)
8104	兰 (Blue)	很浓 (High Dense)	很长 (Very Long)
8105	绿 (Green)	很浓 (High Dense)	很长 (Very Long)
8106	紫 (Violet)	很浓 (High Dense)	很长 (Very Long)

21 系列彩烟剂-螺旋桨飞机用 (21 Series for Piston Engine)

品种 (type)	颜色 (Color)	浓度 (Dense of Smoke)	留空时间 (Stay of Contrail)
2100	白 (White)	浓 (Dense)	长 (Long)
2101	黄 (Yellow)	浓 (Dense)	长 (Long)
2103	红 (Red)	浓 (Dense)	长 (Long)
2104	兰 (Blue)	浓 (Dense)	长 (Long)

21 系列彩烟剂的色彩，烟雾浓度，烟雾的留空时间等指标取决于飞机发动机排气管尾气的喷出量及尾气的温度，一般来说，尾气喷出量越大且温度越高，烟雾的效果越好。

The smoke effects are dispense on the amount of exhaust and the temperature in the exhaust pipe. The more amount and higher temperature of the exhaust, the better effect of smoke.



中华人民共和国成立70周年
The 70th Anniversary of the Founding of
The People's Republic of China

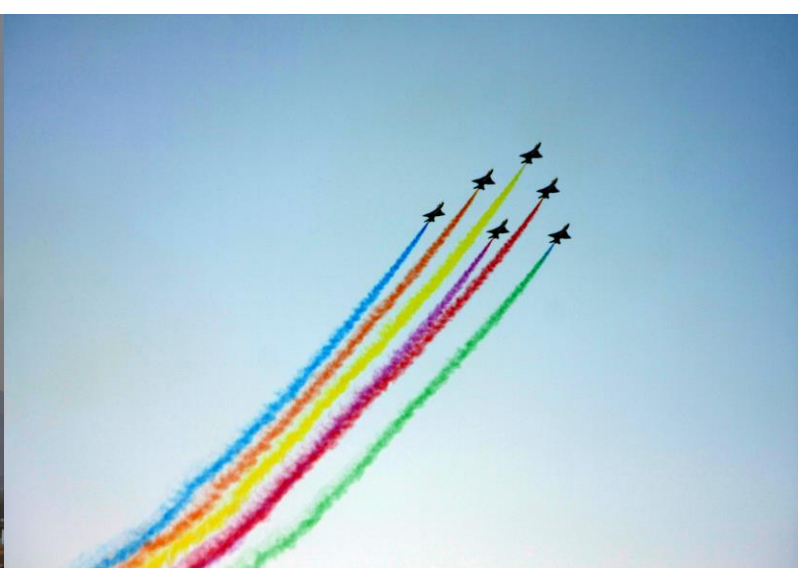
国庆 70 周年阅兵式空中梯队拉彩烟通过天安门广场

2019 年 10 月 1 日



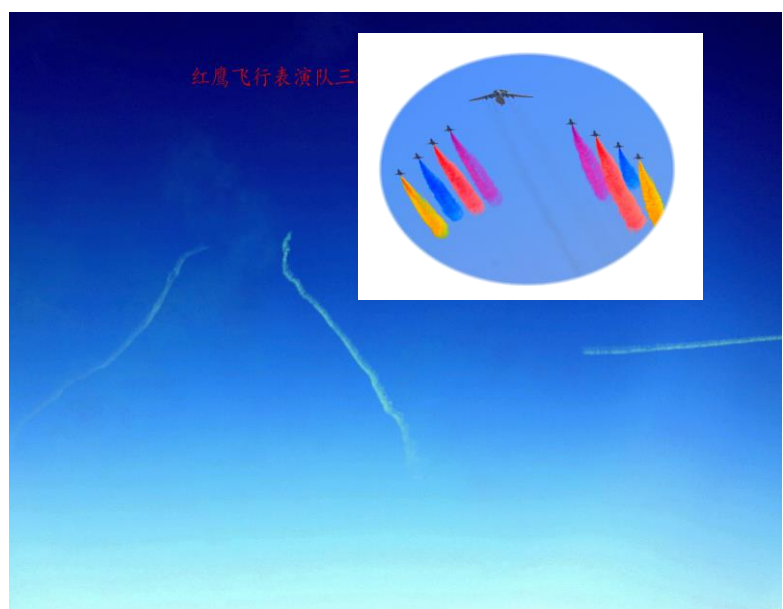
2009 年 11 月空军成立 60 周年庆典八一飞行表演队精彩表演





红鹰飞行表演队精彩表演每年 9 月 1 日吉林长春





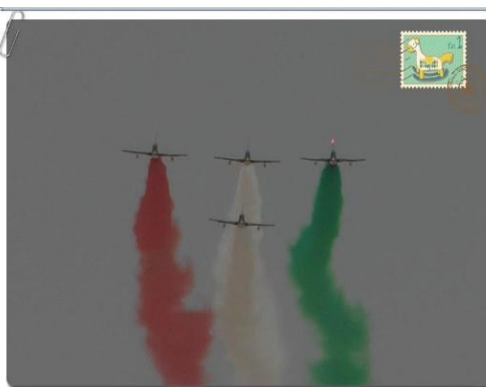
纪念抗日战争胜利 70 周年阅兵式

2015 年 9 月 3 日





在苏-27飞机上做地面拉烟试验
2006-11



卡塔尔空军飞行表演队试验我们红绿彩烟剂
2012-04



K-8飞机上做地面拉烟试验
2009-03-03



与“八一”飞行表演队合影留念
2009-10-12



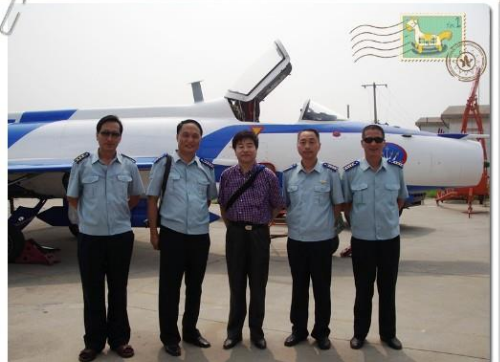
与教-8梯队首批女战斗机飞行员合影
2009-12-02



与“红鹰”飞行表演队领导合影留念
2012-08-24

J-7 GB 飞机地面拉烟试验

2007年1月



与北空及“八一”表演队领导合影
2005-07-22



与空军英雄刘玉堤合影
2011-07-07



彩色拉烟剂项目鉴定会
2007-01-26

从 2005 年开始,我们与中国人民解放军空军合作,研制生产表演飞机专用彩色拉烟剂,该产品已成功用于国庆 60 周年阅兵式.由空军八一 飞行表演队担任护航的领队梯队和空军第三飞行学院首批女战斗机飞行员组成的教练机梯队成功的在长安街和天安门广场上空拉出了一道道丽的彩色烟带,为国庆阅兵式增添了光彩,为祖国母亲 60 年华诞奉献了多彩的祝福。

Cooperated with PLA Air Force from 2005, We produced the smoke colors for Aviation Show. Our products were successfully used in the Military Parade in Oct. 01, 2009, the colorful smoke contrails stay in the sky over Chang An Street and Tian An Men Square.



本产品还成功用于 2009 年 11 月在北京举行的庆祝空军成立 60 周年庆典和每年 9 月 1 日长春航空开放日的飞行表演。特别是在 2015 年 9 月 3 日纪念抗日战争胜利 70 周年阅兵式上,由空军八一飞行表演队担任护航的领队机梯队在长安街上空拉出八道绚丽的彩虹,赢得了全国人民的喝彩。

Our Smoke Colors has also been used in the Air Show for celebrating the 60 years Anniversary of PLA Air Force held in Beijing ,November. 2009, also in the Aviation Open Day held in Changchun every September 1st. and Military Parade in the Victory Day of Anti-Japanese War in September 3th , 2015.

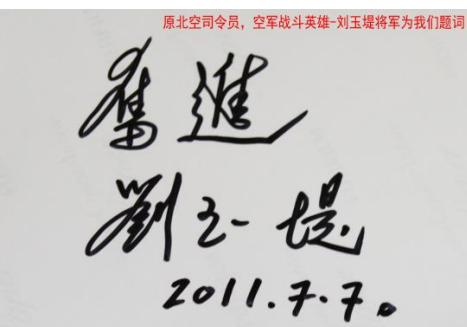
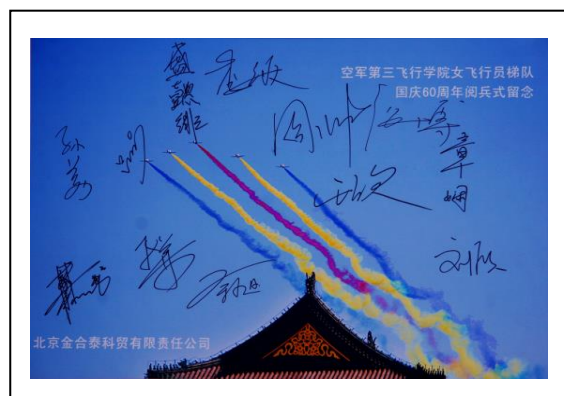
本产品已经通过了空军的技术鉴定。经过严格的审定,军内外专家一致认为该产品的研制成功,填补了环保型彩烟剂的空白并达到国内领先水平。该产品已被中国人民解放军空军八一飞行表演队 and 红鹰飞行表演队选为指定产品。

This products have passed the technical appraisal by the experts from China Air Force and Chemical Industry , they have become the authorized products by the two PLA Air Demonstration Teams – "August 1st Team " and "Red Falcon" Team.



环保型彩色拉烟剂-中国空军指定产品







环保型彩色拉烟剂-中国空军指定产品

