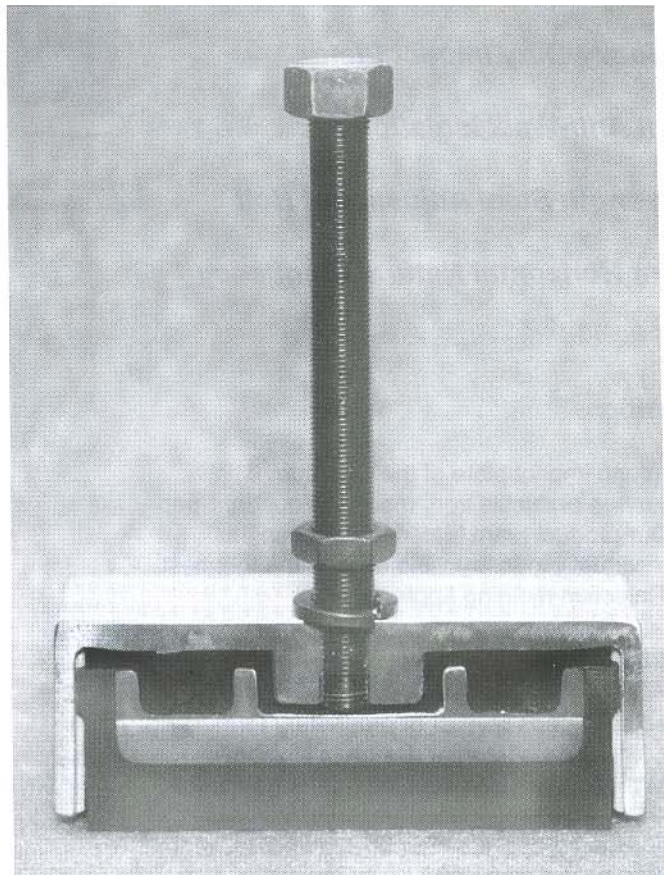


SECTION V

QUANTUM IM™ MOUNTS FOR INJECTION MOLDING & DIE CASTING MACHINES

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**DESIGNED SPECIFICALLY FOR
HORIZONTAL FORCES
IM-61-075-N90**

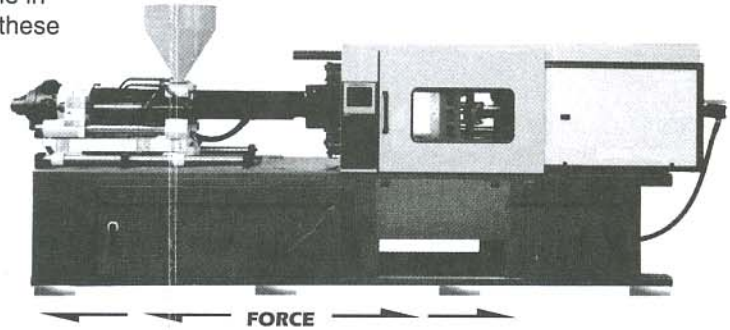
QUANTUM IM™ MOUNTS INTRODUCTION

Unisorb's new patent-pending line of **Quantum IM™ Mounts** has been thoroughly engineered and tested to accommodate injection molding and die casting machines of any size. From the smallest of machines to large 4,500 ton machines, **Quantum IM™ Mounts** are the safest, most durable mounts available.

The Maximum Adjustment Range

These mounts are truly a quantum leap in machine mount technology. Every model in the **Quantum IM™** line provides an overall adjustment range of 1-3/8 inches. This range goes well beyond all of Unisorb's competitors worldwide. In addition, Unisorb's line of **Quantum IM™ Mount's** is available in a wide variety of sizes and configurations, and all share these time-tested durability features:

- ***Rugged Ductile Housing***
- ***Super Heavy-Duty Impact Plate***
- ***Resilient Anti-Walk Isolation Pad***
- ***High-Strength Steel Adjustment Bolt***
- ***Constant Horizontal Natural Frequency***



Every mount includes the new patent-pending "constant horizontal natural frequency" feature which is found only in Unisorb **Quantum IM™** Mounts. This design provides consistent performance at any adjustment height.

The Housing

The housing and impact plate of the Quantum IM™ Mounts are made of ductile iron, meeting Foundry Spec. 65-45-12. Our product team tested and proven this design to be virtually indestructible even in the toughest high-speed injection molding applications.

The Isolation Pad

All mount isolation pads consist of proprietary formulated elastomers. The unique internal design of Unisorb's Quantum IM™ Mounts eliminates the interdependence between vertical adjustment and horizontal stiffness found in other mount designs. Our design ensures that each mounting point presents identical horizontal and vertical load deflection characteristics to the machine regardless of adjustment height.



- Patent-Pending

QUANTUM IM™ MOUNTS INTRODUCTION

The Adjusting Bolt

The true hex head adjusting bolt is made with high-strength Grade 5 steel to withstand punishment that would shear off most other bolts. In addition, the finer thread pitch on the adjusting bolt provides greater mechanical advantage and offers a higher degree of accuracy in adjustment, making installation convenient and foolproof. Standard bolts are provided with English threads. Metric threads and special bolt lengths are available upon request.

Precision Engineering for Horizontal Impact

The isolation pad is engineered for a precision fit inside the housing. This tight fitting design yields smoother, quieter operation and longer mount life. The sure fit of the isolation pad enhances the mount's ability to absorb the horizontal impact forces caused by machine operation.

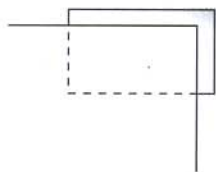
Weight and Force are Distributed Evenly

The unique patent pending design of the isolation pad to mount housing interface results in the uniform distribution of applied forces. The Quantum IM™ Mounts are unmatched in controlling extreme machine induced dynamic loads. This eliminates the walking, excessive machine motion and mount failures typical of general purpose mounts in these applications.

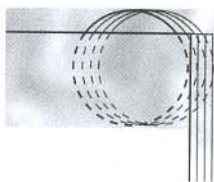
Prevents Machine Walking

The rectangular shape of the Quantum IM™ Mount is yet another advantage. While providing greater resistance to machine "walking" than circular mounts the straight, leading edge-surface on the rectangular mount has proven to be more geometrically stable. This helps eliminate pad roll and entrapment of coolants and oils beneath the pad. In addition, each isolation pad is engineered to possess an exceptionally high coefficient of friction that also prevents machine walking.

***Rectangular Mount
Prevents Walking***



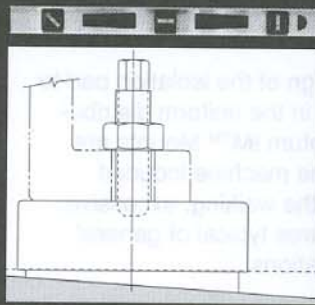
***Round Mount
Subject to Walking***



QUANTUM IM™ MOUNTS - BENEFITS

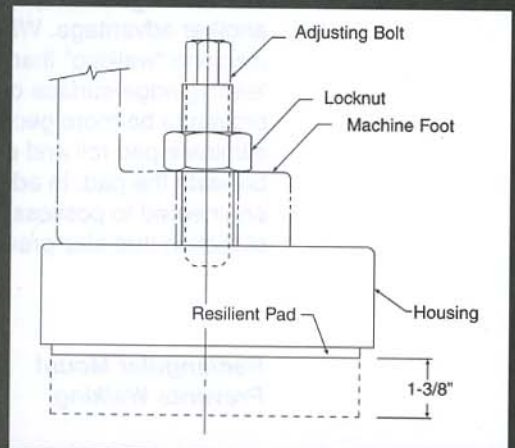
Quantum IM™ Mounts Offer the Following Benefits:

- Reduction of shock and vibration
- Compensation for horizontal impact/force
- Prevention of machine "walking"
- Simplification of machine installation
- Elimination of anchor bolts
- Fast, accurate alignment
- Accommodation of uneven floors
- Increased equipment life



The plate and housing are designed to interact with the isolation pad and the hex head adjusting bolt to yield optimum performance even when floors are as much as 6 degrees out of level.

The revolutionary design of the *Quantum IM™* Mount line maximizes the use of vertical space within the housing. This means that each of the models is capable of making adjustments up to 1-3/8 inches!



Every detail has been thoroughly considered. The *Quantum IM™* Mounts are electro-powder coated in high visibility "safety yellow" for workplace safety. In addition, the rectangular shape of the housing saves floor space and fits machine profiles better to avoid obstruction of walkways.

PRODUCT CODES & SPECIFICATIONS

The Industry's Most Extensive Range of Size and Configuration

A wide variety of different mount sizes and configurations are available to meet the requirement of any injection molding or die casting machine application. All of the *Quantum IM™* Mounts are height compatible, so it is possible to mix and match different sized mounts to accommodate differing load configurations. Custom-sized *Quantum IM™* Mounts are also available upon request.

QUANTUM IM MOUNTS - INCHES

Mount	Product Code	Length	Width	Height Min. / Max.	Bolt Size	Max. Load (lbs.)
IM-51-050-N90	475802	5.50	3.50	2.50 / 3.88	1/2-13	3,000
IM-51-062-N90	475804	5.50	3.50	2.50 / 3.88	5/8-11	3,000
IM-61-050-N90	475812	7.00	4.50	2.50 / 3.88	5/8-11	6,000
IM-61-075-N90	475814	7.00	4.50	2.50 / 3.88	3/4-16	6,000
IM-61-100-N90	475815	7.00	4.50	2.50 / 3.88	1-14	6,000
IM-71-075-N90	475822	8.00	5.00	2.50 / 3.88	3/4-16	9,000
IM-71-100-N90	475824	8.00	5.00	2.50 / 3.88	1-14	9,000
IM-81-075-N90	475832	8.00	5.88	2.50 / 3.88	3/4-16	9,000
IM-81-100-N90	475834	8.00	5.88	2.50 / 3.88	1-14	12,000
IM-81-100-NTS	475835	8.00	5.88	2.50 / 3.88	1-14	16,000
IM-81-125-NTS	475837	8.00	5.88	2.50 / 3.88	1 1/4-12	16,000
IM-101-100-NTS	475844	10.00	7.88	3.25 / 4.63	1-14	16,000
IM-101-125-NTS	475845	10.00	7.88	3.25 / 4.63	1 1/4-12	25,000
IM-101-150-NTS	475847	10.00	7.88	3.25 / 4.63	1 1/2-12	25,000
IM-121-100-NTS	475854	12.50	9.00	3.50 / 4.88	1-14	16,000
IM-121-125-NTS	475856	12.50	9.00	3.50 / 4.88	1 1/4-12	25,000
IM-121-150-NTS	475858	12.50	9.00	3.50 / 4.88	1 1/2-12	35,000
IM-121-175-NTS	475859	12.50	9.00	3.50 / 4.88	1 3/4-12	35,000
IM-161-125-NTS	475864	16.00	12.50	4.50 / 5.88	1 1/4-12	25,000
IM-161-150-NTS	475866	16.00	12.50	4.50 / 5.88	1 1/2-12	35,000
IM-161-175-NTS	475868	16.00	12.50	4.50 / 5.88	1 3/4-12	48,000
IM-161-200-NTS	475869	16.00	12.50	4.50 / 5.88	2-12	60,000
IM-161-225-NTS	475870	16.00	12.50	4.50 / 5.88	2 1/4-12	60,000