**COMPARISON OF THE SHOOTING SYSTEMS**

These three mechanisms will be compared with each other in eight cases:

* Shooting power
* Weight
* Space required
* Time between shots
* Safety
* Simplicity
* Number of shots
* Cost

1. **Spring Mechanism**

Table 1: Overview of spring base shooting mechanism

|  |  |
| --- | --- |
| Shooting Power | + |
| Weight | **-** |
| Space Required | **-** |
| Time between Shots | **-** |
| Safety | **+** |
| Simplicity | **-** |
| Number of Shots | **+** |
| Cost | **+** |

1. **Pneumatic Systems**

Table 2: Overview of pneumatic base shooting mechanism

|  |  |
| --- | --- |
| Shooting Power | - |
| Weight | **-** |
| Space Required | **-** |
| Time between Shots | **+** |
| Safety | **+** |
| Simplicity | **+** |
| Number of Shots | **-** |
| Cost | **+** |

1. **Solenoid**

Table 3: Overview solenoid base shooting mechanism

|  |  |
| --- | --- |
| Shooting Power | + |
| Weight | **+** |
| Space Required | **+** |
| Time between Shots | **+** |
| Safety | **-** |
| Simplicity | **+** |
| Number of Shots | **+** |
| Cost | **+** |

1. **Comparison**

Table 4: Overview of all shooting mechanism

|  |  |  |  |
| --- | --- | --- | --- |
| **Properties** | **Spring** | **Pneumatic** | **Solenoid** |
| **Shooting Power** | **+** | **-** | **+** |
| **Weight** | **-** | **-** | **+** |
| **Space Required** | **-** | **-** | **+** |
| **Time between Shots** | **-** | **+** | **+** |
| **Safety** | **+** | **+** | **-** |
| **Simplicity** | **-** | **+** | **+** |
| **Number of Shots** | **+** | **-** | **+** |
| **Cost** | **+** | **+** | **+** |